

REPORT

OF THE

HEALTH OF LIVERPOOL

DURING THE YEAR 1869,




BY W. S. TRENCH, M.D.,

Medical Officer of Health for the Borough.

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REPORT, 1869.

DURING the fifty-two weeks of the year 1869 (terminating on Saturday, 1st January, 1870), the Returns of the Local Registrars record 18,668 births, and 14,744 deaths within the Borough of Liverpool.

Of the births, 9,467 were males, and 9,201 were females ; making the total Birth-rate of the Borough equal to 36.6 per 1,000.

The distribution of the births in the different wards and districts of the Borough has been arranged in the following Table :—

BIRTHS.

DISTRICTS AND WARDS.		1ST QUARTER.		2ND QUARTER.		3RD QUARTER.		4TH QUARTER.		ANNUAL
		Male.	Female.	Male.	Female.	Male.	Female.	Male.	Female.	Births.
Parish.	Scotland	437	440	408	387	342	377	400	399	3190
	Vauxhall	96	67	88	79	92	77	83	92	674
	St. Paul's and Exchange ...	101	111	98	84	93	105	88	102	782
	St. Anne's and Lime Street..	189	174	166	166	167	147	189	161	1359
	Castle Street and St. Peter's	46	40	30	31	28	34	23	36	268
	Pitt Street and Gt. George.	90	113	83	76	87	83	82	100	714
	Rodney St. & Abercromby..	224	206	235	215	230	260	214	228	1812
Out Townships.	Everton and Kirkdale	639	608	569	562	598	545	621	565	4707
	West Derby.....	262	252	267	221	247	216	244	243	1952
	The Toxteths	396	418	407	426	377	376	431	379	3210
Parish		1183	1151	1108	1038	1039	1083	1079	1118	8799
Out Townships		1297	1278	1243	1209	1222	1137	1296	1187	9869
Borough		2480	2429	2351	2247	2261	2220	2375	2305	18668

Of the 14,744 deaths, 7,588 were of males, and 7,156 of females ; 8,797 occurred in the Parish, and 5,947 in the Out-townships.

The Death-rate of the Borough was equal to 28.9 per 1000, or to 3 per 1000 less than the average rate which had prevailed during the previous ten years

The Death-rate of the Parish was equal to 31·6, and that of the Out-townships to 25·8 per 1000 of the estimated population.

If the relative number of males and females are still pretty near what they were between the two census periods of 1851 and 1861, then the Birth and Death-rates of females in 1869 were respectively 35·3 and 27·4, and those of males 38·1 and 30·6 per 1000 of the estimated population of the same sex.

The deaths occurred in the following districts:—

DEATHS.

DISTRICTS.		1ST QUARTER.		2ND QUARTER.		3RD QUARTER.		4TH QUARTER.		ANNUAL.
		Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Male.	Fe-male.	Deaths.
Parish.	Scotland	285	285	263	262	363	378	297	270	2403
	Vauxhall	81	85	77	64	101	90	82	85	665
	St. Paul's and Ex- change	96	83	64	75	91	73	98	106	686
	St. Anne's & Lime Street.....	152	158	129	127	143	152	160	146	1167
	Castle Street & St. Peter's	27	31	30	24	34	19	40	22	227
	Pitt Street & Great George	82	90	75	67	78	69	70	67	598
	Rodney Street and Abercromby	128	120	94	103	111	117	123	122	918
	Parish Workhouse and Hospitals ...	352	275	361	296	249	171	267	162	2133
Out Townships.	Everton and Kirk- dale.....	329	341	314	323	396	426	388	366	2883
	West Derby	145	127	114	129	142	128	151	143	1079
	The Toxteths	218	253	229	233	271	248	262	232	1946
	Out Township Hos- pitals	7	6	5	3	11	3	3	1	39
Parish		1203	1127	1093	1018	1170	1069	1137	980	8797
Out Townships.....		699	727	662	688	820	805	804	742	5947
Borough.....		1902	1854	1755	1706	1990	1874	1941	1722	14744

We are able, from the returns made by the Registrars as to the residences of persons dying in the Workhouses and Hospitals of the town, to classify 1,320 of the deaths in these establishments under the wards and districts from whence the patients were removed, viz., 352 under Scotland Ward, 186 under Vauxhall Ward, 153 under St. Paul's and Exchange Wards (Dale Street District,) 253 under St. Anne's and Lime Street Wards (Islington District,) 39 under Castle Street and St. Peter's Wards (Gt. George's District,) 126 under Pitt Street and Gt. George's Wards (St. Thomas' District,) 129 under Rodney Street and Abercromby Wards (Mount Pleasant District,) 52 under the Out-Townships of Everton and Kirkdale, 24 under that of West Derby, and 6 under those of the Toxteths. This will, however, still leave unclassified 852 deaths of persons whose previous residences were either unknown or are not specified.

The results of the alterations occasioned by a re-arrangement of the deaths in the wards and districts from whence the patients were removed will be shown in the following table, from which a calculated rate of mortality per 1000 of the estimated inhabitants has been made. This re-arrangement makes a difference in the returns of the Registrars, and by crediting 68 deaths in the Parish Workhouse to the Out-townships, it makes an alteration of 0.2 per 1000 in the rate of mortality :—

DISTRICTS AND WARDS.	Annual.	
	Deaths.	Rate per 1000.
Scotland	2755	27·9
Vauxhall	851	38·8
St. Paul's and Exchange	839	31·9
St. Anne's and Lime Street	1420	34·3
Castle Street and St. Peter's.....	266	18·9
Pitt Street and Great George	724	29·3
Rodney Street and Abercromby	1047	20·6
Parish Workhouse and Hospitals, residences unknown	827	2·9
Everton and Kirkdale.....	2935	26·6
West Derby	1103	22·1
The Toxteths	1952	27·6
Out-Township Workhouses & Hospitals, residences unknown	25	0·1
Parish.....	8729	31·4
Out-Townships	6015	26·0
Borough	14744	28·9

The above rates, in the ninth year since the census, must be regarded as mere approximations; this is especially the case in respect of the mortality rates of Vauxhall Ward, Paul and Exchange Wards, Castle and Peter's Wards, Pitt and Great George Wards, where the calculation is made upon a supposed annual decrease of population; and in Lime and St. Anne's Wards, where the increase of population is estimated on a very small decimal of 00.6 per cent. The rate of deaths in the Parish Workhouse is estimated on the population of the whole Parish, and not of the Borough.

The Registrar-General's weekly reports enable us to compare the mortality of Liverpool with thirteen of the large towns of Great Britain; and as the density of population ought to be considered in every comparison of the sanitary condition of towns and cities, it has also been included in the following table :—

TOWNS.	Estimated Population in the middle of the year 1869.	Births in 52 Weeks, ending 1st Jan., 1870.	Deaths in 52 Weeks, ending 1st Jan., 1870.	Annual Rate to 1,000 of Population.		Area in Acres	Population on Acre.
				Births.	Deaths.		
London	3170754	111924	77929	35.3	24.5	77979	40.7
Bristol	169423	6054	4090	35.7	24.1	4674	36.2
Birmingham	360846	12780	7739	35.4	21.4	7831	46.0
Manchester	370892	13327	10708	35.9	28.8	4069	91.1
Salford	119350	4682	3177	39.2	26.6	5009	23.8
Sheffield	239752	9260	6594	38.6	27.5	22830	10.5
Bradford	138522	5300	3525	38.2	25.4	6590	21.0
Newcastle-on-Tyne..	130503	4943	3395	37.9	26.0	5336	24.5
Hull	126682	4138	3203	32.7	25.2	3621	35.0
Leeds	253110	10172	6622	40.2	26.1	19221	13.2
Edinburgh	178002	6740	5382	37.8	30.2	4191	42.5
Glasgow	458937	18415	15693	40.1	34.1	5791	79.2
Liverpool.....	509052	18668	14744	36.6	28.9	5210	97.7

The average age at death of the inhabitants of the Borough during the twelve months of the year 1869 was 23 years, in the Parish 24 years, and in the Out-townships 20 years. The following table shows, as might have been expected, that the average age was lowest during the third quarter, or during the months of July, August, and September, when the diseases of childhood, or at least Infantile Diarrhoea, were most rife.

WARDS.	QUARTERS.								YEAR 1869.		
	FIRST.		SECOND.		THIRD.		FOURTH.		Age in Years.		
	Age in Years.		Age in Years.		Age in Years.		Age in Years.				
	M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	Both Sexes.
Average Age											
Scotland .....at Death.	20	26	19	22	8	12	16	19	16	20	18
Vauxhall.....	20	22	20	24	11	12	15	18	17	19	18
St. Paul's.....	25	29	31	20	15	15	20	23	23	22	23
Exchange	21	24	22	35	20	19	23	23	22	25	24
St. Anne's	26	26	21	18	9	14	18	22	19	20	20
Lime Street	30	36	22	28	15	21	26	35	23	30	27
Castle Street	32	29	21	27	24	19	19	12	24	24	24
St. Peter's	30	29	26	30	28	23	32	21	29	26	27
Pitt Street	36	29	21	21	12	17	24	24	23	23	23
Great George	26	33	24	31	13	21	24	27	22	28	25
Rodney Street	27	38	34	34	19	29	23	26	26	32	29
Abercromby	27	32	33	27	18	21	29	29	27	27	27
Parish Workhouse } and Hospitals..... }	39	33	30	26	36	36	38	41	36	34	35
Everton & Kirkdale...	22	27	20	23	11	13	16	20	17	21	19
West Derby	25	27	20	23	15	17	22	25	21	23	22
North Toxteth	27	28	19	26	18	21	19	23	21	25	23
South Toxteth	23	25	21	25	16	14	19	20	20	22	21
Out-Township Work- } house and Hospital }	37	20	17	53	33	36	35	40	31	37	34
Parish	28	28	25	25	17	19	24	26	24	25	24
Out-Townships...	24	27	20	24	14	15	18	21	19	22	20
Borough	27	28	23	25	16	17	22	24	22	23	23

The deaths of infants below the fifth year of their age amounted to 7,319, and thus comprised 49·6 per cent. of the whole deaths. There were at the last census 60,760 children under 5 years of age within the Borough of Liverpool, and the number may now be estimated at 69, 672; therefore, their mortality in 1869 was equal to 10·5 per cent. of the whole. 4,461 infants, or every fourth child born within the Borough of Liverpool, died before attaining the age of twelve months.

The first of the following table shows the districts where infant mortality was relatively and absolutely greatest; the second table illustrates the influence of age on the death-rate of the Borough; and the third table places, in one connected view, the pathological history of the death registry.

WARDS.		QUARTERS.				Annual.	Per Cent- age of Deaths under 5 Years to Total Deaths.
		March.	June.	Sept.	Dec.		
Scotland.....	{ Total Deaths ...	570	525	741	567	2403	} 60·5
	{ Below 5 years...	278	280	565	332	1454	
Vauxhall	{ Total Deaths ...	166	141	191	167	665	} 60·0
	{ Below 5 years...	85	71	141	102	399	
St. Paul's	{ Total Deaths ...	77	67	97	107	348	} 52·6
	{ Below 5 years...	34	35	61	53	183	
Exchange	{ Total Deaths ...	102	72	67	97	338	} 49·1
	{ Below 5 years...	49	27	42	48	166	
St. Anne's	{ Total Deaths ...	211	164	210	198	783	} 59·0
	{ Below 5 years...	102	90	156	114	462	
Lime Street	{ Total Deaths ...	99	92	85	108	384	} 41·6
	{ Below 5 years...	31	44	46	39	160	
Castle Street	{ Total Deaths ...	16	20	16	23	75	} 42·6
	{ Below 5 years...	5	8	8	11	32	
St. Peter's	{ Total Deaths ...	42	34	37	39	152	} 44·1
	{ Below 5 years...	17	17	18	15	67	
Pitt Street.....	{ Total Deaths ...	58	57	57	53	225	} 47·1
	{ Below 5 years...	16	30	35	25	106	
Great George.....	{ Total Deaths ...	114	85	90	84	373	} 48·2
	{ Below 5 years...	45	35	58	42	180	
Rodney Street	{ Total Deaths ...	117	88	102	117	424	} 42·4
	{ Below 5 years...	41	31	50	58	180	
Abercromby	{ Total Deaths ...	131	109	126	128	494	} 42·7
	{ Below 5 years...	57	40	67	47	211	
Parish Workhouse and Hospitals	{ Total Deaths ...	627	657	420	429	2133	} 21·2
	{ Below 5 years...	131	193	74	55	453	
Everton and Kirkdale ...	{ Total Deaths ...	670	637	822	754	2883	} 56·5
	{ Below 5 years...	298	327	564	442	1631	
West Derby	{ Total Deaths ...	272	243	270	294	1079	} 53·0
	{ Below 5 years...	125	125	177	145	572	
North Toxteth	{ Total Deaths ...	249	251	216	245	961	} 53·0
	{ Below 5 years...	109	134	133	134	510	
South Toxteth	{ Total Deaths ...	222	211	303	249	985	} 55·7
	{ Below 5 years...	98	107	206	138	549	
Union Workhouse and Everton Hospital	{ Total Deaths ...	13	8	14	4	39	} 7·7
	{ Below 5 years...	1	1	1	...	3	
Parish.....	{ Total Deaths ...	2330	2111	2239	2117	8797	} 46·0
	{ Below 5 years...	891	901	1321	941	4053	
Out Townships	{ Total Deaths ...	1426	1350	1625	1546	5947	} 54·9
	{ Below 5 years...	631	694	1081	859	3265	
Borough	{ Total Deaths ...	3756	3461	3864	3663	14744	} 49·6
	{ Below 5 years...	1522	1595	2402	1800	7319	

AGES.	QUARTERS.				ANNUAL.	
	March.	June.	Sept.	Dec.	Deaths.	Rate per 1,000 of the Population.
Deaths at 1 year and under	966	914	1586	995	4461	8·7
„ between 1 year and 5	556	681	816	805	2858	5·6
„ „ 5 „ 20	279	239	250	315	1083	2·1
„ „ 20 „ 60	1397	1242	908	1094	4641	9·1
„ above 60 years	552	379	297	448	1676	3·2
„ at ages unknown	6	6	7	6	25	0·5
„ at all ages.....	3756	3461	3864	3663	14744	28·9

The Registrar's returns show that there were 13 deaths (9 of women and 4 of men) above the age of 90, viz., 3 males and 1 female at the age of 91, 1 male and 1 female at the age of 92, 2 females at the age of 93, 1 female at 97, and 2 males at 98, 1 female at 103, and 1 female at 107. This last person was an inmate of the Workhouse; the female aged 103 was the widow of a seaman, had resided all her life in Liverpool, and died in a court called Moffatt's Place, Hilbre Street.

CLASSES.	QUARTERS.				YEAR
	March.	June.	Sept.	Dec.	1869.
1. Zymotic Diseases	711	833	1641	1048	4233
2. Diseases of Uncertain Seat	119	92	93	99	403
3. Tubercular Diseases	597	578	474	458	2107
4. Diseases of Brain, &c.	347	306	265	274	1192
5. „ of Heart, &c.	141	128	101	129	499
6. „ of Lungs, &c.	830	646	335	748	2559
7. „ of Stomach, &c.	157	135	150	141	583
8. „ of Kidneys, &c.	55	42	28	48	173
9. Childbirth, Diseases of the Uterus, &c.	20	21	20	23	84
10. Rheumatism, Diseases of the Joints, &c.	27	16	17	13	73
11. Diseases of the Skin, Cellular Tissue, &c.	23	20	21	19	83
12. Malformations.....	8	8	6	7	29
13. Premature Birth.....	38	38	58	56	190
14. Atrophy and Debility	258	279	345	223	1105
15. Old Age	125	102	78	114	419
16. Privation, Cold, &c.	4	1	4	1	10
17. Inquests, &c.	227	174	189	229	819
Causes not specified	69	42	39	33	183
All Causes.....	3756	3461	3864	3663	14744
Total Zymotics	711	833	1641	1048	4233
Small Pox	9	7	3	1	20
Measles	50	217	249	112	628
Scarlatina	98	161	302	481	1042
Hooping Cough.....	147	91	50	40	328
Diarrhoea.....	60	63	744	134	1001
Typhus and Infantile Fever	238	211	178	156	783

ZYMOTICS.

Zymotic diseases occasioned 4233 deaths during the year 1869, and thus accounted for 28.7 per cent. of the total mortality within the Borough of Liverpool during the same period. This was nearly one per cent. less than the proportional rate of Zymotic deaths to deaths from all causes during the preceding decennial period. The following table shows the localities and the periods of their fatal prevalence :—

WARDS, &c.	Deaths from all Causes.	ZYMOTICS.				
		QUARTERS.				Per Centage of Zymotic deaths to deaths from all Causes.
		March.	June.	Sept.	Dec.	
Scotland	2403	133	130	423	203	36.9
Vauxhall	665	21	36	95	53	30.8
St. Paul's	348	6	12	36	35	25.5
Exchange	338	16	7	24	25	21.3
St. Anne's	783	36	33	107	68	31.1
Lime Street	384	9	12	30	20	18.5
Castle Street	75	3	1	2	14	26.6
St. Peter's	152	8	7	14	10	25.6
Pitt Street	225	10	13	27	7	25.3
Gt. George	373	16	17	36	18	23.3
Rodney Street	424	22	10	28	33	21.9
Abercromby	494	24	13	37	30	21.0
Liverpool Workhouse Hospital	1723	113	177	87	73	26.1
North Hospital	113	2	...	2	1	4.4
South Hospital	95	...	1	1	1	3.1
Royal Infirmary	194	2	2	3	...	3.6
Lying-in Hospital	8	...	...	...	...	...
Everton and Kirkdale	2883	129	160	367	248	31.3
West Derby	1079	70	78	111	70	30.5
North Toxteth	961	44	72	74	52	25.2
South Toxteth	985	37	45	125	84	29.5
West Derby Union	7	...	...	...	...	...
Everton Hospital	32	10	7	12	3	100
Parish	8797	421	471	952	591	27.7
Out Townships	5947	290	362	689	457	30.2
Borough	14744	711	833	1641	1048	28.7

TYPHUS AND INFANTILE REMITTENT FEVER.

These diseases accounted within the Borough of Liverpool for 783 deaths, or for 542 in the Parish and 241 in the Out-townships ; the rate of their mortality was equal to 1.5 per 1000 per annum of the estimated population ; their per-centage rate relatively to deaths from all causes was 6.3 during the first, 6.1 during the second, 4.6 during the third, and 4.3 during the fourth quarter of the year. Their deaths included 421 males and 362 females ; 198 persons below the age of 15 ; 175 between the ages of 15 and 30, and 410 above the age of 30.

Every form of continued fever is included under the generic term of Typhus; but the Registers of Deaths attribute 21 cases to gastric fever, 99 to typhoid fever, 30 to enteric fever, 4 to low fever, 4 to continued fever, 1 to brain fever, 1 to bilious fever, 1 to relapsing fever, and 475 to typhus. Under the term of fever there were registered 86 deaths, under that of febris 13 deaths, and under that of febricula 20 deaths. The deaths registered under the term of infantile remittent amounted to 28.

The following tables are in themselves sufficiently explanatory; the first compares the averages of fever deaths during the preceding ten years with those during 1869; the second table shows the districts of the town and the periods of the year in which the fever was most fatally prevalent; the third table marks in streets the habitats of the disease; and the remaining tables the occupations and social positions of its victims.

WARDS.	Exact Average of Fever Deaths for Pre- ceding Ten Years.	Deaths from Fever during the Year 1869.
Scotland	138	114
Vauxhall	48	26
St. Paul's	25	11
Exchange	23	6
St. Anne's	41	39
Lime Street	18	13
Castle Street	5	1
St. Peter's	7	2
Pitt Street	13	6
Great George.....	30	11
Rodney Street	19	18
Abercromby	22	22
Everton and Kirkdale.....	103	114
West Derby	35	54
North Toxteth	55	23
South Toxteth	79	28
Hospital Deaths	388	295
Total.....	1050	783

In the above table the averages have been calculated without making allowance for increase of population.

DEATHS FROM TYPHUS AND INFANTILE REMITTENT FEVER.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{	Below 5 years ...	1	4	3	...	7	3	1	2	12	9	21
		Above 5 years ...	15	16	10	16	5	12	10	9	40	53	93
Vauxhall	{	Below 5 years ...	2	1	1	...	2	1	...	...	5	2	7
		Above 5 years ...	...	2	3	3	4	3	2	2	9	10	19
St. Paul's	{	Below 5 years ...	...	...	...	...	...	...	1	...	1	...	1
		Above 5 years ...	1	3	...	...	...	3	3	...	4	6	10
Exchange.....	{	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
		Above 5 years ...	4	...	...	...	...	...	1	1	5	1	6
St. Anne's	{	Below 5 years ...	...	...	1	1	3	2	1	2	5	5	10
		Above 5 years ...	4	5	1	3	3	2	4	7	12	17	29
Lime Street.....	{	Below 5 years ...	...	...	...	...	...	1	...	1	...	2	2
		Above 5 years ...	2	2	1	1	3	1	...	1	6	5	11
Castle Street	{	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
		Above 5 years ...	1	...	...	...	...	...	...	...	1	...	1
St. Peter's	{	Below 5 years ...	1	...	...	...	...	...	...	...	1	...	1
		Above 5 years ...	...	...	...	...	...	...	...	1	...	1	1
Pitt Street	{	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
		Above 5 years ...	2	...	...	...	2	2	...	...	4	2	6
Great George	{	Below 5 years ...	1	...	...	1	1	...	...	...	2	1	3
		Above 5 years ...	2	2	3	...	...	...	1	...	6	2	8
Rodney Street.....	{	Below 5 years ...	1	...	1	...	...	...	2	...	4	...	4
		Above 5 years ...	4	3	...	2	1	1	3	...	8	6	14
Abercromby	{	Below 5 years ...	1	...	...	...	...	1	...	...	1	1	2
		Above 5 years ...	3	4	1	3	2	3	3	1	9	11	20
Parish Workhouses and Hospitals	{	Below 5 years ...	2	...	2	...	...	...	...	1	4	1	5
		Above 5 years ...	31	40	51	40	33	22	33	18	148	120	268
Out Township Workhouses and Hospitals	{	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
		Above 5 years ...	4	4	2	1	7	2	1	1	14	8	22
Everton and Kirkdale	{	Below 5 years ...	2	4	3	3	3	5	2	3	10	15	25
		Above 5 years ...	13	11	15	9	11	9	16	5	55	34	89
West Derby.....	{	Below 5 years ...	2	2	3	1	3	1	...	1	8	5	13
		Above 5 years ...	12	4	7	5	3	2	3	5	25	16	41
North Toxteth	{	Below 5 years ...	...	2	1	2	3	...	...	...	4	4	8
		Above 5 years ...	2	3	4	1	2	1	1	1	9	6	15
South Toxteth	{	Below 5 years ...	...	1	1	1	2	...	...	2	3	4	7
		Above 5 years ...	2	10	2	2	1	...	1	3	6	15	21
Parish	{	Below 5 years ...	9	5	8	2	13	8	5	6	35	21	56
		Above 5 years ...	69	77	70	68	53	49	60	40	252	234	486
Out Townships	{	Below 5 years ...	4	9	8	7	11	6	2	6	25	28	53
		Above 5 years ...	33	32	30	18	24	14	22	15	109	79	188
Borough	{	Below 5 years ...	13	14	16	9	24	14	7	12	60	49	109
		Above 5 years ...	102	109	100	86	77	63	82	55	361	313	674

LIST OF STREETS IN THE BOROUGH WHEREIN THREE OR MORE DEATHS
FROM TYPHUS AND INFANTILE FEVER OCCURRED IN 1869.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE PARISH.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Athol	7	...	7	Portland.....	4	2	6
Atkinson	2	1	3	Queen Anne	3	...	3
Back Mansfield	1	2	3	Ray	2	1	3
Beau	3	2	5	Regent	2	2	4
Blackstock.....	5	1	6	Richmond Row	4	3	7
Blandford	5	...	5	Rose Place.....	2	1	3
Blenheim	1	2	3	Saint Andrew .....	...	3	3
Blundell	4	...	4	Sawney-Pope	2	1	3
Bond	2	6	8	Scotland Road	5	...	5
Bostock ..	3	...	3	Silvester	2	2	4
Bridport.....	3	...	3	Tatlock	2	1	3
Burlington.....	5	1	6	Titchfield	4	...	4
Christian.....	3	1	4	Upper Frederick	6	1	7
Clare	3	...	3	Whitley .....	...	5	5
Clayton	1	3	4	STREETS IN THE OUT TOWNSHIPS.			
Collingwood	2	2	4				
Comus.....	1	3	4	Bevin Lane	1	3	4
Cropper	3	1	4	Buckingham	3	...	3
Dansie.....	5	...	5	Darnley	1	2	3
Dryden .....	...	4	4	Garibaldi	2	1	3
Eaton	4	...	4	Gordon	6	...	6
Eldon Place	5	...	5	Harding .....	...	3	3
Eldon	2	4	6	Mann	5	...	5
Falkner	4	1	5	Mill	3	...	3
Gay	3	...	3	Northumberland	3	...	3
Gildart's Gardens	2	1	3	Opie.....	3	...	3
Gladstone	5	1	6	Robsart	3	1	4
Holly	1	4	5	Roscommon	3	...	3
Hopwood	4	...	4	Shaftesbury .....	...	3	3
Hornby	2	9	11	Star	3	...	3
Kew.....	4	...	4	Stitt.....	5	...	5
Lambert	2	1	3	Victoria	5	...	5
Limekiln Lane	3	2	5	Wolfe	6	...	6
Mansfield	5	...	5				
Mary Ann	3	...	3				
Nash Grove	3	1	4				
Paul	2	3	5				

OCCUPATIONS OF PERSONS WHO (EITHER THEMSELVES OR MEMBERS OF THEIR FAMILY) HAVE DIED FROM TYPHUS AND INFANTILE FEVER IN THE WORKHOUSES OR HOSPITALS OF THE BOROUGH, TABULATED INTO WARDS FROM WHENCE THEY CAME, DURING THE YEAR 1869.

LIVERPOOL WORKHOUSE.

OCCUPATIONS.	WARDS.														TOTAL.	
	Scotland.	Vauxhall	St. Paul's.	Exchange.	St. Anne's.	Lime Street	St. Peter's.	Pitt Street.	Great George.	Rodney Street.	Abercromby.	Everton and Kirkdale.	West Derby	North Toxteth.		Unknown.
Labourers	28	12	3	7	9	5	...	1	3	6	3	11	7	1	15	111
Tradesmen	22	6	1	1	26	8	1	2	1	4	5	9	4	...	9	99
Servants	3	...	1	1	1	2	...	...	...	2	...	5	2	...	1	18
Seamen and Soldiers	8	3	...	...	4	2	1	2	1	...	1	2	...	1	4	29
Unknown	5	1	1	...	...	1	...	...	1	...	...	...	1	...	5	15
Males	33	13	4	6	28	8	1	4	3	3	7	12	8	1	21	152
Females	33	9	2	3	12	10	1	1	3	9	2	15	6	1	13	120
Total	66	22	6	9	40	18	2	5	6	12	9	27	14	2	34	272

EVERTON HOSPITAL.

OCCUPATIONS.	WARDS.							TOTAL.
	Scotland.	Vauxhall.	St. Paul's	Great George.	Rodney Street.	Everton and Kirkdale.	Unknown.	
Labourers.....	...	...	2	...	...	1	..	3
Tradesmen	4	1	...	1	...	1	3	10
Seamen.....	...	...	...	...	...	...	2	2
Servants .....	...	...	...	...	1	...	1	2
Unknown	1	...	...	...	...	...	4	5
Males	3	...	1	1	...	2	7	14
Females	2	1	1	...	1	...	3	8
Total	5	1	2	1	1	2	10	22

ROYAL INFIRMARY.

One Female, a Servant, unknown.

OCCUPATIONS OF PERSONS WHO (EITHER THEMSELVES OR MEMBERS OF THEIR FAMILY) HAVE DIED FROM TYPHUS AND INFANTILE FEVER IN THE DIFFERENT WARDS OF THE BOROUGH DURING THE YEAR 1869. (NOT INCLUDED IN THE FOREGOING TABLES OF DEATHS IN WORKHOUSES AND HOSPITALS.)

OCCUPATIONS.	WARDS.																TOTAL.
	Scotland	Vauxhall	St. Paul's	Exchange	St. Anne's	Lime Street	Castle Street	St. Peter's	Pitt Street	Great George	Rodney Street	Abercromby	Everton and Kirkdale	West Derby	North Toxteth	South Toxteth	
Labourers	58	14	3	2	10	3	2	2	...	1	32	17	8	13	165
Tradesmen	48	11	5	4	26	7	1	2	3	7	13	15	70	29	9	13	263
Servants	1	1	1	1	1	2	3	1	11
Seamen.....	7	1	3	...	1	1	1	5	2	5	1	27
Soldiers	1	2	...	1	4
Professions and Mercantile	1	2	4	4	3	3	1	...	18
Males	52	14	5	5	17	6	1	1	4	7	12	10	65	33	13	10	255
Females	62	12	6	1	22	7	...	1	2	4	6	12	49	21	10	18	233
Total	114	26	11	6	39	13	1	2	6	11	18	22	114	54	23	28	488

TOXTETH WORKHOUSE.

Not included in the Mortality of the Borough, being beyond the Municipal Boundaries.

OCCUPATIONS.	WARDS.		TOTAL.
	North Toxteth.	South Toxteth	
Labourers	5	7	12
Tradesmen	5	14	19
Servants	3	1	4
Seamen .....	...	2	2
Unknown	1	...	1
Males.....	6	16	22
Females.....	8	8	16
Total.....	14	24	38

SCARLATINA

Assumed during the last six months of 1869 within the Borough of Liverpool the gravity of an epidemic. It accounted during the year for 1,042 deaths, or for 519 in the Parish, and 523 in the Out-townships. The rate of its mortality was equal to 2 per 1000 per annum of the estimated population. Its rate relatively to deaths from all causes was 2.6 per cent. in the first quarter, 4.6 in the second, 7.8 in the third, and 13.1 in the fourth quarter of the year ; its annual rate relatively to all deaths was 7.0 per cent.

The first of the following tables gives a statistical history of the mortality of Scarlatina during the year 1869 ; the second is a record of the streets of the Borough wherein 3 or more deaths occurred from Scarlatina ; and I have

added a third table, showing the position of Scarlatina within the Borough of Liverpool during the previous twenty years. This latter table will not be without much interest to those who study the difficult and hitherto inexplicable problem connected with the epidemic recurrence of those classes of Zymotic disease which are especially dependent for their propagation on infection and contagion.

DEATHS FROM SCARLATINA.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{	Below 5 years ...	8	6	11	10	31	29	46	31	96	76	172
	{	Above 5 years ...	2	2	1	4	8	7	16	10	27	23	50
Vauxhall	{	Below 5 years ...	1	2	3	3	4	6	12	13	20	24	44
	{	Above 5 years ...	...	1	4	...	...	3	...	5	4	9	13
St. Paul's	{	Below 5 years ...	...	...	...	4	5	1	5	6	10	11	21
	{	Above 5 years ...	...	...	...	...	2	...	...	5	2	5	7
Exchange.....	{	Below 5 years ...	1	...	1	1	3	...	4	5	9	6	15
	{	Above 5 years ...	...	...	...	...	...	...	1	3	1	3	4
St. Anne's	{	Below 5 years ...	2	2	6	1	9	7	10	10	27	20	47
	{	Above 5 years ...	...	2	1	1	2	3	5	1	8	7	15
Lime Street.....	{	Below 5 years ...	...	1	1	...	2	2	5	1	8	4	12
	{	Above 5 years ...	...	...	...	...	1	1	2	3	3	4	7
Castle Street	{	Below 5 years ...	...	...	...	...	1	...	5	...	6	...	6
	{	Above 5 years ...	...	...	...	...	...	...	2	2	2	2	4
St. Peter's	{	Below 5 years ...	...	...	2	1	2	2	3	1	7	4	11
	{	Above 5 years ...	...	...	...	1	1	...	1	...	2	1	3
Pitt Street	{	Below 5 years ...	1	...	1	..	4	2	...	...	6	2	8
	{	Above 5 years ...	...	1	...	...	1	...	...	...	1	1	2
Great George	{	Below 5 years ...	...	1	3	...	...	1	1	2	4	4	8
	{	Above 5 years ...	...	...	...	...	...	1	...	2	...	3	3
Rodney Street.....	{	Below 5 years ...	1	2	1	...	3	...	4	5	9	7	16
	{	Above 5 years ...	...	...	...	...	1	3	2	2	3	5	8
Abercromby	{	Below 5 years ...	2	1	...	1	4	1	6	3	12	6	18
	{	Above 5 years ...	...	1	1	1	1	1	3	3	5	6	11
Parish Workhouses and Hospitals	{	Below 5 years ...	...	...	2	...	1	...	2	2	5	2	7
	{	Above 5 years ...	...	...	1	2	...	...	2	2	3	4	7
Out Township Workhouses and Hospitals	{	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	{	Above 5 years ...	...	...	...	...	1	..	...	...	1	...	1
Everton and Kirkdale	{	Below 5 years ...	7	12	18	13	36	39	51	48	112	112	224
	{	Above 5 years ...	...	3	1	4	15	13	15	23	31	43	74
West Derby.....	{	Below 5 years ...	2	10	11	8	10	12	11	10	34	40	74
	{	Above 5 years ...	1	4	4	5	3	2	6	3	14	14	28
North Toxteth	{	Below 5 years ...	6	5	8	4	...	1	11	6	25	16	41
	{	Above 5 years ...	1	...	1	3	...	...	3	1	5	4	9
South Toxteth	{	Below 5 years ...	2	2	4	5	7	4	21	10	34	21	55
	{	Above 5 years ...	2	1	2	1	1	2	1	7	6	11	17
Parish	{	Below 5 years ...	16	15	31	21	69	51	103	79	219	166	385
	{	Above 5 years ...	2	7	8	9	17	19	34	38	61	73	134
Out Townships	{	Below 5 years ...	17	29	41	30	53	56	94	74	205	189	394
	{	Above 5 years ...	4	8	8	13	20	17	25	34	57	72	129
Borough	{	Below 5 years ...	33	44	72	51	122	107	197	153	424	355	779
	{	Above 5 years ...	6	15	16	22	37	36	59	72	118	145	263

LIST OF STREETS IN THE BOROUGH WHEREIN THREE OR MORE DEATHS
FROM SCARLATINA OCCURRED IN 1869.

STREETS IN THE PARISH.	HOUSES.		Total.	STREETS IN THE PARISH.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Arley .....	...	4	4	Roscoe	2	1	3
Athol	4	...	4	Steele	5	...	5
Beau .....	...	4	4	Scotland Road	4	...	4
Burlington .....	...	7	7	Shadwell.....	3	1	4
Blenheim	3	5	8	Sawney Pope.....	3	3	6
Benledi	3	...	3	Smithfield	1	2	3
Bostock	2	1	3	Stanley	3	...	3
Barmouth	5	...	5	St. Andrew.....	1	2	3
Bevington Bush.....	3	...	3	Tatlock	10	1	11
Beacon	1	2	3	Turner.....	3	...	3
Blackstock.....	2	1	3	Thomas	2	3	5
Brook ... ..	...	3	3	Virgil	1	3	4
Bispham	2	1	3	Woodstock.....	2	1	3
Ben Jonson	3	1	4				
Byrom.....	...	3	3	STREETS IN THE OUT TOWNSHIPS.			
Birkett	3	2	5				
Brownlow Hill	2	1	3	Abram.....	4	1	5
Chisenhale	6	3	9	Arkwright	5	...	5
Canterbury.....	4	...	4	Amos	3	...	3
Craven	1	6	7	Abbey	3	...	3
Denison	1	3	4	Barlow	3	2	5
Eldon	2	5	7	Bute	2	1	3
Eaton	1	2	3	Buckingham	3	...	3
Ford	1	2	3	Breck Road	5	...	5
Gascoyne	1	5	6	Beaufort.....	4	...	4
Great Richmond	3	...	3	Coniston.....	4	...	4
Gilbert	3	1	4	Clifton.....	7	...	7
Great Orford.....	3	...	3	China	4	...	4
Horatio	2	1	3	Conway	3	...	3
Hopwood	4	...	4	Cardwell.....	4	...	4
Hornby	3	5	8	Credworth	4	...	4
Hedley	7	1	8	Clive .....	...	3	3
Henry Edward	4	...	4	Combermere .....	...	3	3
Jordan	2	1	3	Elias	5	...	5
Kew.....	3	2	5	Epworth	4	...	4
Limekiln Lane	2	2	4	Field	3	...	3
Latimer	9	1	10	Gregson	2	1	3
Lightbody	2	1	3	Great Homer .....	...	4	4
Lionel	4	1	5	Greenside	3	...	3
Lowther	3	...	3	Goldsmith	3	...	3
Meadow	2	1	3	Hughes	2	1	3
Milton.....	3	...	3	Hackthorpe	3	...	3
Midghall.....	3	1	4	Howe	4	...	4
Norris	2	1	3	Hardwick Square	3	...	3
Northampton	3	...	3	Hawkestone	4	...	4
Nash	3	...	3	Henderson	2	1	3
Oriel	1	5	6	Iliad.....	8	...	8
Portland.....	3	2	5	Kirkdale Road	4	...	4
Rachel.....	2	1	3				
Rose Place.....	...	4	4				

LIST OF STREETS IN THE BOROUGH WHEREIN THREE OR MORE DEATHS
FROM SCARLATINA OCCURRED IN 1869—*Continued.*

STREETS IN THE OUT-TOWNSHIPS.	HOUSES.		Total.	STREETS IN THE OUT-TOWNSHIPS.	HOUSES.		Total.
	Front.	Court.			Front.	Court.	
Kensington.....	3	...	3	Robsart	5	...	5
Lower Mersey View.....	3	...	3	Rishton	3	...	3
Langrove	4	...	4	St. Domingo Road	3	...	3
Lancaster	3	...	3	Salop	4	...	4
Longville	3	...	3	Shaw	3	...	3
Mann	3	3	6	St. Arnaud	3	...	3
Netherfield Road North	3	...	3	Torr.....	1	2	3
Opie.....	4	...	4	Tennyson	3	...	3
Prince Edwin.....	3	3	6	Victoria	6	...	6
Portwood	3	...	3	Wye.....	3	...	3
Rose Vale	6	5	11	Woodruff	3	...	3

SCARLATINA FROM 1848 TO 1869 INCLUSIVE.

YEARS.	DEATHS FROM SCARLATINA.				TOTAL.	Per cent. per annum of Scarlatina deaths to total deaths	Per cent. per annum of Scarlatina deaths to Zymotics.	Scarlatina deaths per 10,000 of the population.
	First Quarter.	Second Quarter.	Third Quarter.	Fourth Quarter.				
1848	151	215	521	628	1515	12·9	35·1	43·7
1849	174	56	38	49	317	1·9	12·1	8·8
1850	21	21	46	152	240	2·5	9·2	6·5
1851	102	122	271	462	957	8·6	27·4	25·4
1852	233	181	132	147	693	6·2	20·0	18·1
1853	51	49	47	86	233	2·2	9·2	6·0
1854	42	32	79	162	315	2·2	6·5	7·8
1855	79	68	211	447	805	6·3	24·8	20·0
1856	200	90	124	228	642	5·5	20·9	15·6
1857	119	94	179	369	761	5·9	21·8	18·3
1858	255	169	281	482	1187	8·5	27·8	28·1
1859	187	63	82	68	400	3·4	14·5	9·3
1860	27	17	32	88	164	1·4	8·4	3·7
1861	44	32	34	106	216	1·7	7·4	4·8
1862	84	93	278	579	1034	7·5	27·4	22·9
1863	213	151	200	176	740	4·8	16·5	16·1
1864	90	50	85	124	349	2·1	7·2	7·4
1865	72	32	121	281	506	2·9	9·1	10·6
1866	198	205	242	341	986	4·3	12·7	20·4
1867	182	145	148	221	696	4·8	19·3	14·1
1868	109	98	98	151	456	3·1	11·5	9·1
1869	98	161	302	481	1042	7·0	24·6	20·5

MEASLES

Occasioned 628 deaths, of which 335 occurred in the Parish, and 243 in the Out-townships. Its per-centage death-rate relatively to deaths from all causes was 1.3 in the first quarter of the year, 6.3 in the second, 6.5 in the third, and 3.1 in the fourth; its annual per-centage rate relatively to deaths from all causes was 4.2, and relatively to deaths from Zymotic causes 14.8.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{ Below 5 years ...		...	1	13	15	30	44	13	9	56	69	125
	{ Above 5 years ...		...	...	...	...	5	...	1	...	6	...	6
Vauxhall	{ Below 5 years ...		1	1	6	4	8	9	5	3	20	17	37
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
St. Paul's	{ Below 5 years ...		...	...	1	5	3	3	10	2	14	10	24
	{ Above 5 years ...		...	...	...	...	...	...	1	...	1	...	1
Exchange.....	{ Below 5 years ...		...	3	...	1	4	3	3	2	7	9	16
	{ Above 5 years ...		1	...	...	...	...	...	...	1	...	...	1
St. Anne's	{ Below 5 years ...		3	2	2	1	6	11	8	2	19	16	35
	{ Above 5 years ...		...	...	...	...	...	...	1	...	1	...	1
Lime Street.....	{ Below 5 years ...		...	...	1	1	1	3	2	...	4	4	8
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Castle Street	{ Below 5 years ...		...	...	...	...	...	...	1	2	1	2	3
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
St. Peter's	{ Below 5 years ...		...	...	1	...	1	2	...	1	2	3	5
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Pitt Street	{ Below 5 years ...		...	...	3	6	1	1	2	1	6	8	14
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Great George	{ Below 5 years ...		...	1	2	2	4	5	...	...	6	8	14
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	..
Rodney Street.....	{ Below 5 years ...		...	...	...	1	1	1	2	...	3	2	5
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Abercromby	{ Below 5 years ...		2	1	...	2	3	1	...	1	5	5	10
	{ Above 5 years ...		...	...	...	1	...	...	...	...	...	1	1
Parish Workhouses and Hospitals	{ Below 5 years ...		7	3	26	29	3	1	...	...	36	33	69
	{ Above 5 years ...		...	1	3	4	...	2	...	...	3	7	10
Out Township Workhouses and Hospitals	{ Below 5 years ...		...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale	{ Below 5 years ...		2	1	19	22	21	41	16	7	58	71	129
	{ Above 5 years ...		...	...	3	1	...	2	...	...	3	3	6
West Derby.....	{ Below 5 years ...		8	4	5	8	2	11	5	3	20	26	46
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
North Toxteth	{ Below 5 years ...		3	3	12	13	3	1	1	2	19	19	38
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
South Toxteth	{ Below 5 years ...		2	...	...	4	3	9	2	3	7	16	23
	{ Above 5 years ...		...	...	...	...	...	...	1	...	1	...	1
Parish	{ Below 5 years ...		13	12	55	67	65	84	46	23	179	186	365
	{ Above 5 years ...		1	1	3	5	5	2	2	1	11	9	20
Out Townships	{ Below 5 years ...		15	8	36	47	29	62	24	15	104	132	236
	{ Above 5 years ...		...	...	3	1	...	2	1	...	4	3	7
Borough	{ Below 5 years ...		28	20	91	114	94	146	70	38	283	318	601
	{ Above 5 years ...		1	1	6	6	5	4	3	1	15	12	27

DIARRHŒA

Accounted for 1,001 deaths, or for 591 in the Parish, and 410 in the Out-townships. Its per-centage death-rate relatively to deaths from all causes was 1·6 in the first quarter of the year, 1·8 in the second, 19·3 in the third, and 3·7 in the fourth quarter of the year. Its annual per-centage death-rate relatively to deaths from all causes was 6·8, and relatively to deaths from Zymotic causes 23·6.

WARDS.			QUARTERS.								YEAR.		
			MARCH.		JUNE.		SEPT.		DEC.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{ Below 5 years ...		1	5	8	6	100	97	12	12	121	120	241
	{ Above 5 years ...		2	...	...	2	4	7	2	1	8	10	18
Vauxhall	{ Below 5 years ...		2	...	1	1	34	14	1	1	38	16	54
	{ Above 5 years ...		...	...	...	...	...	2	1	...	1	2	3
St. Paul's	{ Below 5 years ...		1	1	...	...	5	12	1	...	7	13	20
	{ Above 5 years ...		...	...	...	1	1	...	...	...	1	1	2
Exchange	{ Below 5 years ...		1	...	1	1	4	5	1	2	7	8	15
	{ Above 5 years ...		...	...	...	...	...	...	...	1	...	1	1
St. Anne's	{ Below 5 years ...		1	...	...	...	24	23	7	2	32	25	57
	{ Above 5 years ...		...	1	...	...	...	...	...	3	...	4	4
Lime Street	{ Below 5 years ...		2	...	...	2	6	4	1	1	9	7	16
	{ Above 5 years ...		...	...	...	...	1	1	1	...	2	1	3
Castle Street	{ Below 5 years ...		...	1	...	...	...	1	...	...	...	2	2
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
St. Peter's	{ Below 5 years ...		...	...	...	1	4	1	...	...	4	2	6
	{ Above 5 years ...		...	...	...	...	...	...	1	...	1	...	1
Pitt Street	{ Below 5 years ...		...	1	...	...	5	4	1	1	6	6	12
	{ Above 5 years ...		2	...	1	...	...	1	...	...	3	1	4
Gt. George	{ Below 5 years ...		...	...	...	...	14	7	2	...	16	7	23
	{ Above 5 years ...		...	...	...	...	...	...	1	...	1	...	1
Rodney Street	{ Below 5 years ...		1	...	...	...	7	6	4	4	12	10	22
	{ Above 5 years ...		...	...	...	1	...	1	...	1	...	3	3
Abercromby	{ Below 5 years ...		...	2	...	...	11	3	1	1	12	6	18
	{ Above 5 years ...		...	...	...	...	1	...	...	1	1	1	2
Parish Workhouse and Hospitals	{ Below 5 years ...		7	5	3	3	7	10	2	3	19	21	40
	{ Above 5 years ...		5	4	3	...	6	2	3	...	17	6	23
Out Townships Workhouse and Hospitals	{ Below 5 years ...		...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale	{ Below 5 years ...		4	4	8	3	67	71	12	9	91	87	178
	{ Above 5 years ...		...	...	...	1	...	5	...	3	...	9	9
West Derby	{ Below 5 years ...		...	1	4	3	17	22	4	6	25	32	57
	{ Above 5 years ...		...	...	1	...	1	...	...	...	2	...	2
North Toxteth	{ Below 5 years ...		3	...	6	...	25	21	4	5	38	26	64
	{ Above 5 years ...		...	...	...	...	2	3	...	1	2	4	6
South Toxteth	{ Below 5 years ...		1	1	...	2	34	39	7	7	42	49	91
	{ Above 5 years ...		...	1	...	...	1	1	...	...	1	2	3
Parish	{ Below 5 years ...		16	15	13	14	221	187	33	27	283	243	526
	{ Above 5 years ...		9	5	4	4	13	14	9	7	35	30	65
Out Townships	{ Below 5 years ...		8	6	18	8	143	153	27	27	196	194	390
	{ Above 5 years ...		...	1	1	1	4	9	...	4	5	15	20
Borough	{ Below 5 years ...		24	21	31	22	364	340	60	54	479	437	916
	{ Above 5 years ...		9	6	5	5	17	23	9	11	40	45	85

LIST OF STREETS IN THE BOROUGH OF LIVERPOOL WHEREIN THREE OR
MORE DEATHS FROM DIARRHŒA OCCURRED DURING THE YEAR 1869.

STREETS IN THE PARISH.	HOUSES.		TOTAL.	STREETS IN THE PARISH.	HOUSES.		TOTAL.
	Front.	Court.			Front.	Court.	
Bostock	7	...	7	Richmond Row	1	2	3
Burlington	5	8	13	Rathbone	1	4	5
Bond	1	3	4	Scotland Road	3	...	3
Back Portland	3	1	4	St. Martin	2	3	5
Bevington	1	2	3	Sawney Pope	2	1	3
Beau	1	4	5	St. Anne	4	1	5
Blackstone	3	...	3	Tenterden	4	...	4
Boundary	5	...	5	Titchfield	4	...	4
Ben Jonson	2	1	3	Trowbridge	3	...	3
Brick	2	1	3	Vauxhall Road	4	...	4
Collingwood .....	...	4	4	Worfield	3	1	4
Cazneau	2	1	3				
Clare	1	2	3	STREETS IN THE OUT-			
Copperas Hill	4	...	4	TOWNSHIPS.			
Dryden	1	3	4				
Dalrymple	3	...	3	Arkwright	1	2	3
Drinkwater's Gardens...	3	...	3	Buckingham	5	...	5
Epsom	4	...	4	Brindley	4	...	4
Eldon	3	5	8	Beaufort	6	...	6
Great Nelson	3	...	3	Clive	2	1	3
Great Homer	5	2	7	Chapman	3	...	3
Gasgoyne	2	1	3	Gore	3	2	5
Greenland	3	...	3	Grafton	4	1	5
Hopwood	6	1	7	Howe	4	...	4
Hornby	5	10	15	Henderson .....	...	3	3
Hook	2	...	3	Iliad	4	...	4
Kitchen .....	...	3	3	Langham	3	...	3
Latimer	4	1	5	Major	3	...	3
Limekiln Lane	4	...	4	Mill	4	1	5
Mansfield	3	...	3	Mann	2	3	5
Marlborough	1	2	3	Prince William	2	1	3
Newsham	3	3	6	Robsart	3	...	3
Naylor	2	3	5	Radcliffe	3	...	3
Portland	6	1	7	Rose Vale	2	1	3
Paul	1	4	5	Stanhope	3	4	7
Regent	3	...	3	Wolfe	3	...	3
Rose Place	2	2	4				
Raymond	2	2	4				

DIARRHŒA IN DATES OF DEATH, 1869.

DATE. June.	No. of Deaths.	Mean Reading of Barometer	Mean Tempe- rature.	RAIN.			WIND,	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	...	30.227	57.1	...	...	...	209	Var & WNW
2	1	30.110	56.5	00.3	0.9	1	286	WSW & SW
3	1	30.026	55.8	...	...	...	427	W & WNW
4	1	29.896	55.5	0.18	5.3	1	461	WSW & W
5	1	30.013	58.0	...	...	...	461	Var & SW
6	1	30.195	64.9	...	...	...	182	Var
7	...	30.139	59.5	...	...	...	286	Var & WNW
8	1	30.220	52.2	00.1	0.5	1	480	WNW & W
9	2	30.190	52.7	...	...	...	552	W & WNW
10	2	30.176	51.5	...	...	...	310	Var & WNW
11	...	30.116	53.7	...	...	...	254	W & WNW
12	1	29.837	54.7	...	...	...	187	SW & WNW
13	...	29.544	53.5	00.1	0.5	1	293	SW & Var
14	...	29.584	51.2	0.58	6.5	1	528	WNW & W
15	3	29.560	48.4	0.16	2.9	1	1005	Var & WNW
16	1	30.112	51.7	00.9	2.6	1	645	NW & W
17	...	30.235	52.9	0.12	2.4	1	226	Var & WNW
18	...	30.085	52.8	00.7	0.7	1	389	WNW
19	2	29.998	53.6	...	...	...	345	W & WNW
20	1	30.082	53.2	...	...	...	238	ENE & Var
21	1	30.069	56.0	...	...	...	365	WNW
22	...	30.188	54.7	...	...	...	394	WNW & W
23	...	30.237	55.6	...	...	...	473	WNW & W
24	1	30.196	61.6	...	...	...	298	W & WNW
25	1	30.173	62.3	...	...	...	79	W & Var
26	...	30.160	62.3	...	...	...	158	Var & WNW
27	1	30.235	58.5	...	...	...	257	WNW
28	...	30.290	59.6	...	...	...	242	SE & ESE
29	1	30.253	58.8	...	...	...	283	ESE & Var
30	...	30.263	59.2	...	...	...	209	E & Var.

DIARRHOEA IN DATES OF DEATH, 1869.

DATE. July.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	...	30.233	58.5	...	...	...	209	Var & WNW
2	2	30.198	59.8	...	...	...	300	SE & SSE
3	...	30.143	64.9	...	...	...	240	SE & SSE
4	...	30.035	65.1	...	...	...	302	SE & Var
5	2	29.848	62.0	00.9	2.8	1	300	Var & SW
6	2	29.843	63.8	...	...	...	535	WSW & W
7	1	29.976	68.8	...	...	...	391	SW & SSW
8	...	29.898	61.5	00.1	0.4	1	497	S & SW
9	5	30.119	60.6	...	...	...	538	SW & S
10	3	30.353	61.4	...	...	...	274	Var
11	3	30.286	70.8	...	...	...	286	SE & Var
12	1	30.134	62.3	...	...	...	293	Var & WNW
13	1	30.226	57.3	...	...	...	422	WNW
14	5	30.252	62.4	...	...	...	622	W
15	5	30.248	65.3	...	...	...	545	W
16	4	30.211	66.1	...	...	...	199	WNW & NW
17	5	30.082	72.4	...	...	...	163	Var
18	5	30.022	66.3	...	...	...	341	W & WNW
19	3	30.118	60.3	...	...	...	274	WNW & NW
20	5	30.123	65.8	...	...	...	310	SE & ESE
21	8	29.995	69.7	...	...	...	274	SE & Var
22	3	29.917	65.1	0.01	0.3	1	197	Var
23	8	30.002	64.2	...	...	...	355	Var & SW
24	8	29.978	65.3	...	...	...	283	Var & WNW
25	8	29.877	63.8	0.17	2.7	1	175	SW & Var
26	13	29.740	61.2	0.04	0.9	1	324	SSE & WNW
27	12	29.863	56.9	...	...	...	300	WNW
28	17	29.960	58.4	...	...	...	182	Var & NW
29	22	29.846	61.9	0.07	1.3	1	413	SSW & S
30	14	29.879	65.6	...	...	...	571	SW
31	10	29.899	61.4	...	...	...	463	SW & W

DIARRHŒA IN DATES OF DEATH, 1869.

DATE. August	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	15	29.757	60.2	0.20	3.2	1	511	SW & WSW
2	15	29.768	56.5	0.13	3.2	1	784	W
3	12	29.771	58.3	0.18	2.4	1	415	Var. & W.
4	16	29.900	60.0	0.01	0.7	1	396	W & WNW
5	15	30.182	59.4	0.52	2.5	1	514	WNW & W
6	17	30.316	57.3	...	...	...	319	WNW
7	14	30.142	62.3	0.64	11.7	1	370	Var & WSW
8	15	29.823	59.4	0.14	3.0	1	564	W
9	17	29.628	56.7	0.11	2.3	1	789	W & WNW
10	13	29.758	55.9	0.12	1.8	1	1034	WNW
11	15	29.933	56.9	...	...	...	679	WNW
12	10	30.024	58.1	0.16	5.3	1	391	W & WNW
13	8	29.883	58.3	0.38	1.1	1	564	W
14	12	30.115	58.6	...	...	...	535	WNW
15	11	30.300	60.0	0.05	2.0	1	266	WNW & W
16	11	30.352	58.5	...	...	...	343	Var. & WNW
17	11	30.398	59.5	...	...	...	264	Var. & WNW
18	8	30.366	59.0	...	...	...	274	W & WNW
19	14	30.327	60.2	...	...	...	134	Var. & N
20	18	30.319	60.1	...	...	...	163	S & NW
21	11	30.311	61.3	...	...	...	266	W & NW
22	7	30.307	62.0	...	...	...	144	NNW & NW
23	8	30.209	63.7	...	...	...	216	SE & NW
24	5	30.189	62.9	...	...	...	240	Var & WNW
25	9	30.223	65.0	...	...	...	139	SE & NW
26	9	30.242	70.6	...	...	...	139	Var
27	10	30.257	73.4	...	...	...	266	Var & ESE
28	10	30.106	71.5	...	...	...	247	SE & NW
29	12	30.130	49.9	0.03	1.0	1	444	ENE & NE
30	6	30.332	53.6	...	...	...	283	NE & Var
31	6	30.378	53.6	...	...	...	182	Var & NW

DIARRHŒA IN DATES OF DEATH, 1869.

DATE. Sept.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	14	30.416	57.4	...	...	...	204	ESE & NNW
2	9	30.382	54.4	...	...	...	187	Var
3	9	30.138	55.4	...	...	...	276	SE & Var
4	10	29.892	59.0	...	...	...	358	SE & ESE
5	8	29.708	63.7	0.08	0.4	1	343	ESE & SSE
6	11	29.669	58.7	0.01	1.0	1	355	SE & W
7	8	29.740	64.8	...	...	...	439	W & SSW
8	11	29.663	59.9	0.22	2.0	1	396	S & Var,
9	8	29.690	63.4	0.02	0.6	1	338	SE
10	9	29.340	57.8	0.34	7.7	1	559	SE & W
11	9	29.359	56.5	1.19	14.9	1	468	WSW & Var
12	7	29.238	53.4	0.17	3.8	1	804	Var & W
13	6	29.324	53.8	0.13	1.4	1	722	Var & W
14	8	29.665	58.4	0.10	1.7	1	451	Var & SW
15	5	29.409	57.6	0.17	3.6	1	708	SW & WSW
16	7	29.552	55.8	0.23	4.1	1	900	W
17	8	29.646	63.2	0.02	0.4	1	504	Var & SW
18	5	29.303	56.8	0.21	4.3	1	619	SW & SSW
19	6	29.258	53.1	0.05	1.3	1	1128	W & WSW
20	2	29.513	52.9	0.01	1.0	1	706	W
21	5	29.736	54.2	0.05	1.0	1	768	W
22	5	30.044	57.3	0.12	3.2	1	593	W & W S W
23	5	30.067	59.6	0.09	3.8	1	430	W S W
24	7	30.031	63.6	...	...	...	425	W S W
25	6	29.708	61.4	...	...	...	610	SSW & SW
26	3	29.803	55.1	...	...	...	691	WSW
27	4	29.932	55.7	0.08	1.9	1	300	SW & W
28	5	29.641	53.0	0.50	5.8	1	372	SSE
29	3	29.514	60.7	1.11	10.9	1	384	ESE & E
30	7	29.591	59.2	0.25	1.8	1	324	ENE

DIARRHŒA IN DATES OF DEATH, 1869.

DATE. October.	No. of Deaths.	Mean Reading of Barometer.	Mean Tempe- rature.	RAIN.			WIND.	
				Amount in inches.	Hours.	Days.	Mean Daily Velocity in Miles.	DIRECTION.
1	2	29.681	59.9	...	...	...	326	SSE & Var
2	3	29.728	57.3	...	...	...	413	ESE & E
3	6	29.933	57.2	...	...	...	103	E & Var
4	5	30.145	55.5	...	...	...	110	WSW & NE
5	3	30.148	55.1	...	...	...	295	SE & ESE
6	7	30.183	54.6	...	...	...	372	ESE
7	6	30.142	55.7	0.18	3.0	1	461	SE
8	2	30.105	58.6	0.06	4.6	1	149	SSE & W
9	1	30.148	62.9	...	...	...	415	ESE & SE
10	2	30.121	62.1	...	...	...	391	SE & ESE
11	5	30.105	62.1	...	...	...	247	SE & Var
12	5	30.085	58.8	0.16	1.2	1	336	Var & SW
13	1	30.042	49.8	...	...	...	792	W & WNW
14	...	30.073	50.3	0.14	2.4	1	818	WNW & W
15	1	29.676	52.0	0.06	1.8	1	679	WSW & SW
16	2	29.275	46.0	0.32	4.9	1	614	WSW & NW
17	5	29.757	41.4	0.41	6.2	1	619	NW & WNW
18	5	29.442	45.2	0.40	7.2	1	324	SSE & Var
19	5	29.791	40.5	...	...	...	634	N & NNW
20	1	30.139	47.9	...	...	...	655	NNW & W
21	3	30.278	49.5	...	...	...	300	Var & SW
22	3	30.458	50.5	0.02	1.0	1	367	Var & WNW
23	1	30.282	50.8	0.07	3.0	1	772	W
24	1	30.239	48.8	...	...	...	415	WNW & NW
25	3	30.172	47.2	0.12	3.6	1	514	NW & W
26	3	29.994	59.2	0.13	5.6	1	732	NW
27	1	29.923	38.2	...	...	...	600	NW & NNW
28	...	29.970	40.2	...	...	...	559	NNW
29	2	30.263	45.9	0.43	8.1	1	365	N & Var
30	...	30.118	50.2	0.01	0.5	1	346	Var & NNW
31	...	30.225	49.3	0.02	0.4	1	492	WNW & W

HOOPING COUGH

Occasioned 328 deaths, or 163 in the Parish, and 165 in the Out-Townships. Its per centage death-rate relatively to deaths from all causes was 2·2, and relatively to deaths from Zymotic causes 7·7.

DEATHS FROM HOOPING COUGH.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{	Below 5 years ...	20	24	6	7	3	4	1	5	30	40	70
		Above 5 years ...	...	1	...	...	...	...	1	...	1	1	2
Vauxhall	{	Below 5 years ..	2	4	2	...	...	1	...	...	4	5	9
		Above 5 years ..	...	...	...	...	...	...	...	...	...	...	...
St. Paul's	{	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Exchange.....	{	Below 5 years ...	4	1	...	1	1	3	...	...	5	5	10
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's	{	Below 5 years ...	3	7	1	7	4	3	...	1	8	18	26
		Above 5 years ...	...	1	...	...	...	...	...	...	...	1	1
Lime Street.....	{	Below 5 years ...	1	...	1	4	1	...	...	...	3	4	7
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Castle Street	{	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	{	Below 5 years ...	...	2	...	1	...	...	...	1	...	4	4
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Pitt Street	{	Below 5 years ...	...	2	...	...	...	...	...	1	...	3	3
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Great George	{	Below 5 years ...	1	3	1	1	...	...	1	3	3	7	10
		Above 5 years ...	...	...	...	1	...	...	...	...	...	1	1
Rodney Street.....	{	Below 5 years ...	...	2	1	1	...	...	1	...	2	3	5
		Above 5 years ..	...	...	...	...	...	...	...	...	...	...	...
Abercromby	{	Below 5 years ...	1	2	2	...	...	1	2	...	5	3	8
		Above 5 years ..	...	...	...	...	...	...	...	1	...	1	1
Parish Workhouses and Hospitals	{	Below 5 years ..	...	1	2	2	...	...	...	1	2	4	6
		Above 5 years ..	...	...	...	...	...	...	...	...	...	...	...
Out Township Workhouses and Hospitals	{	Below 5 years ..	...	...	...	...	...	...	...	...	...	...	...
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale	{	Below 5 years ...	20	18	9	13	4	6	3	3	36	40	76
		Above 5 years ...	...	3	...	...	...	...	...	1	...	4	4
West Derby.....	{	Below 5 years ...	2	7	1	3	2	2	1	3	6	15	21
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
North Toxteth	{	Below 5 years ...	3	6	3	6	1	4	2	3	9	19	28
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
South Toxteth	{	Below 5 years ...	3	3	9	5	5	5	2	3	19	16	35
		Above 5 years ...	...	...	1	...	...	...	...	...	1	...	1
Parish	{	Below 5 years ...	32	48	16	24	9	12	5	12	62	96	158
		Above 5 years ...	...	2	...	1	...	...	1	1	1	4	5
Out Townships	{	Below 5 years ...	28	34	22	27	12	17	8	12	70	90	160
		Above 5 years ...	...	3	1	...	...	...	...	1	1	4	5
Borough	{	Below 5 years ...	60	82	38	51	21	29	13	24	132	186	318
		Above 5 years ...	..	5	1	1	...	...	1	2	2	8	10

DEATHS FROM CROUP.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{ Below 5 years ...		4	5	4	2	4	4	5	1	17	12	29
	{ Above 5 years ...		1	...	...	1	...	...	...	...	1	1	2
Vauxhall	{ Below 5 years ...		...	1	1	1	...	1	2	2	3	5	8
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
St. Paul's	{ Below 5 years ...		...	...	...	1	...	...	...	...	...	1	1
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Exchange.....	{ Below 5 years ...		...	...	...	...	...	1	...	...	...	1	1
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
St. Anne's	{ Below 5 years ...		...	1	1	2	...	1	...	...	1	4	5
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Lime Street.....	{ Below 5 years ...		...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Castle Street	{ Below 5 years ...		...	1	...	1	...	...	...	...	...	2	2
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
St. Peter's	{ Below 5 years ...		1	...	...	...	...	...	...	1	1	1	2
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Pitt Street	{ Below 5 years ...		...	...	1	1	...	...	...	...	1	1	2
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Great George	{ Below 5 years ...		2	...	1	...	...	1	1	...	4	1	5
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Rodney Street.....	{ Below 5 years ...		1	1	...	1	1	1	...	...	2	3	5
	{ Above 5 years ...		1	...	...	...	...	...	...	...	1	...	1
Abercromby	{ Below 5 years ...		...	1	...	1	...	...	2	1	2	3	5
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Parish Workhouses and Hospitals	{ Below 5 years ...		...	...	...	1	...	...	1	...	1	1	2
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Out Township Workhouses and Hospitals	{ Below 5 years ...		...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale	{ Below 5 years ...		3	3	4	2	1	1	2	7	10	13	23
	{ Above 5 years ...		...	...	...	...	...	...	1	...	1	...	1
West Derby.....	{ Below 5 years ...		1	...	1	...	4	1	2	1	8	2	10
	{ Above 5 years ...		1	...	...	...	...	...	...	...	1	...	1
North Toxteth	{ Below 5 years ...		2	...	1	...	1	1	2	1	6	2	8
	{ Above 5 years ...		...	...	...	...	...	...	...	...	...	...	...
South Toxteth	{ Below 5 years ...		2	...	...	...	1	3	5	2	8	5	13
	{ Above 5 years ...		...	1	...	...	...	1	1	...	1	2	3
Parish	{ Below 5 years ...		8	10	8	11	5	9	11	5	32	35	67
	{ Above 5 years ...		2	...	...	1	...	...	...	...	2	1	3
Out Townships	{ Below 5 years ...		8	3	6	2	7	6	11	11	32	22	54
	{ Above 5 years ...		1	1	...	...	...	1	2	...	3	2	5
Borough	{ Below 5 years ...		16	13	14	13	12	15	22	16	64	57	121
	{ Above 5 years ...		3	1	...	1	...	1	2	...	5	3	8

DEATHS FROM SMALL POX.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{	Below 5 years ...	1	...	...	...	...	...	...	...	1	...	1
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Vauxhall	{	Below 5 years ...	...	...	...	1	...	...	...	...	...	1	1
		Above 5 years ...	...	...	..	...	...	...	...	...	...	...	...
Parish Workhouses and Hospitals	{	Below 5 years ...	...	1	...	...	...	...	...	...	...	1	1
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Out-Township Work-houses, and Hospitals	{	Below 5 years ...	...	1	1	...	1	...	...	...	2	1	3
		Above 5 years ...	1	...	2	1	...	1	1	...	4	2	6
Everton and Kirkdale	{	Below 5 years ...	1	1	1	...	...	...	...	...	2	1	3
		Above 5 years ...	3	...	...	...	...	...	...	...	3	...	3
West Derby.....	{	Below 5 years ...	...	...	...	1	...	...	...	...	...	1	1
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
North Toxteth	{	Below 5 years ...	...	...	...	...	...	1	...	...	...	1	1
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Parish	{	Below 5 years ...	1	1	...	1	...	...	...	...	1	2	3
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Out Townships	{	Below 5 years ...	1	2	2	1	1	1	...	...	4	4	8
		Above 5 years ...	4	...	2	1	...	1	1	...	7	2	9
Borough	{	Below 5 years ...	2	3	2	2	1	1	...	...	5	6	11
		Above 5 years ...	4	...	2	1	...	1	1	...	7	2	9

DEATHS FROM DIPHTHERIA.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{	Below 5 years ...	...	2	1	1	3	2	1	2	5	7	12
	{	Above 5 years ...	...	...	1	...	...	...	...	1	1	1	2
St. Anne's	{	Below 5 years ...	...	...	1	...	...	...	...	...	1	...	1
	{	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	{	Below 5 years ...	2	...	...	...	...	...	...	...	2	...	2
	{	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Abercromby.....	{	Below 5 years ...	...	...	...	...	1	...	...	...	1	...	1
	{	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale..	{	Below 5 years ...	...	2	...	...	...	1	...	1	...	4	4
	{	Above 5 years ...	...	1	...	...	...	...	...	3	...	4	4
North Toxteth	{	Below 5 years ...	...	...	1	...	...	...	...	1	1	1	2
	{	Above 5 years ...	1	...	...	1	...	...	...	1	1	2	3
South Toxteth	{	Below 5 years ...	...	...	1	...	1	...	...	2	2	2	4
	{	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Parish	{	Below 5 years ...	2	2	2	1	4	2	1	2	9	7	16
	{	Above 5 years ...	...	...	1	...	...	...	...	1	1	1	2
Out-Townships	{	Below 5 years ...	...	2	2	...	1	1	...	4	3	7	10
	{	Above 5 years ...	1	1	...	1	...	...	...	4	1	6	7
Borough	{	Below 5 years ...	2	4	4	1	5	3	1	6	12	14	26
	{	Above 5 years ...	1	1	1	1	...	...	...	5	2	7	9

OTHER ZYMOTICS.

Under the term of other Zymotics are included :—Chicken Pox, Dysentery, Cholera, Influenza, Erysipelas, Syphilis, Thrush, Puerperal Fever, Rheumatic Fever, Quinsy, Ague, Mumps, Purpura, and Scurvy.

DEATHS FROM OTHER ZYMOTICS.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{	Below 5 years ...	...	3	2	3	4	6	5	4	11	16	27
		Above 5 years ...	2	7	1	2	2	2	...	2	5	13	18
Vauxhall	{	Below 5 years ...	...	...	1	1	1	2	2	1	4	4	8
		Above 5 years ...	1	...	...	...	...	...	...	1	1	1	2
St. Paul's	{	Below 5 years ...	...	..	...	...	1	...	...	...	1	...	1
		Above 5 years ...	...	...	...	...	...	...	...	1	...	1	1
Exchange.....	{	Below 5 years ...	...	1	...	1	...	...	...	1	...	3	3
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's	{	Below 5 years ...	...	2	...	1	2	2	1	3	3	8	11
		Above 5 years ...	...	...	2	...	...	...	...	...	2	...	2
Lime Street.....	{	Below 5 years ...	...	...	...	...	...	1	...	1	...	2	2
		Above 5 years ...	...	1	...	...	...	1	...	1	...	3	3
Castle Street	{	Below 5 years ...	...	...	...	...	...	...	...	1	...	1	1
		Above 5 years ...	...	...	...	...	...	...	1	...	1	...	1
St. Peter's	{	Below 5 years ...	1	...	...	...	...	...	...	...	1	...	1
		Above 5 years ...	1	...	...	...	1	...	...	...	2	...	2
Pitt Street	{	Below 5 years ...	...	...	...	...	3	1	...	...	3	1	4
		Above 5 years ...	...	1	...	...	...	...	...	1	...	2	2
Great George	{	Below 5 years ...	1	1	1	1	1	...	2	1	5	3	8
		Above 5 years ...	1	...	...	...	1	...	...	1	2	1	3
Rodney Street.....	{	Below 5 years ...	1	...	...	...	...	1	1	...	2	1	3
		Above 5 years ...	2	2	...	1	...	...	1	1	3	4	7
Abercromby	{	Below 5 years ...	2	...	...	...	2	...	...	...	4	...	4
		Above 5 years ...	...	1	...	...	...	1	...	1	...	3	3
Parish Workhouses and Hospitals	{	Below 5 years ...	1	1	...	1	...	...	...	...	1	2	3
		Above 5 years ...	6	2	3	2	6	...	3	2	18	6	24
Out Township Workhouses and Hospitals	{	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
		Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale	{	Below 5 years ...	4	1	1	5	7	5	8	2	20	13	33
		Above 5 years ...	5	1	...	2	1	3	1	6	7	12	19
West Derby.....	{	Below 5 years ...	3	2	3	4	4	4	2	1	12	11	23
		Above 5 years ...	2	2	...	...	...	5	...	3	2	10	12
North Toxteth	{	Below 5 years ...	...	1	2	2	4	...	3	1	9	4	13
		Above 5 years ...	2	1	1	...	...	...	1	1	4	2	6
South Toxteth	{	Below 5 years ...	1	...	2	1	3	1	1	...	7	2	9
		Above 5 years ...	1	1	1	1	...	1	3	...	5	3	8
Parish	{	Below 5 years ...	6	8	4	8	14	13	11	12	35	41	76
		Above 5 years ...	13	14	6	5	10	4	5	11	34	34	68
Out Townships	{	Below 5 years ...	8	4	8	12	18	10	14	4	48	30	78
		Above 5 years ...	10	5	2	3	1	9	5	10	18	27	45
Borough	{	Below 5 years ...	14	12	12	20	32	23	25	16	83	71	154
		Above 5 years ...	23	19	8	8	11	13	10	21	52	61	113

TUBERCULAR DISEASES.

This group of diseases includes Phthisis, Scrofula, Tabes Mesenterica and Hydrocephalus. They occasioned 2107 deaths in the Borough of Liverpool during the year 1869, of which 1198 occurred in the Parish, and 909 in the Out-townships. Their death-rate was 4·1 per 1000 of the estimated population; their per centage death-rate relatively to deaths from all causes was 14·3.

The following Tables sufficiently explain themselves. The first and second show the localities and periods of the year in which Phthisis and other Tubercular diseases were most fatally prevalent. The third is a statistical resumé of the death records of all Tubercular diseases, and also of Phthisis (separately) during the last twenty years.

DEATHS FROM PHTHISIS.

WARDS.		QUARTERS.								YEAR.		
		March.		June.		Sept.		Dec.				
		M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{ Below 5 years ...	2	3	3	5	1	2	1	2	7	12	19
	{ Above 5 years ...	29	25	31	26	12	20	22	15	94	86	180
Vauxhall	{ Below 5 years ...	1	2	...	2	1	...	...	1	2	5	7
	{ Above 5 years ...	12	12	8	9	2	6	1	6	23	33	56
St. Paul's	{ Below 5 years ...	1	1	...	...	...	...	1	...	2	1	3
	{ Above 5 years ...	6	4	2	2	1	3	4	6	13	15	28
Exchange.....	{ Below 5 years ...	...	...	1	1	...	...	...	...	1	1	2
	{ Above 5 years ...	2	5	6	6	3	1	2	6	13	18	31
St. Anne's	{ Below 5 years ...	...	1	...	...	...	1	...	...	...	2	2
	{ Above 5 years ...	14	10	14	6	5	7	5	10	38	33	71
Lime Street.....	{ Below 5 years ...	...	1	...	...	...	1	...	...	...	2	2
	{ Above 5 years ...	5	9	4	6	3	5	5	4	17	24	41
Castle Street	{ Below 5 years ...	...	...	...	...	...	...	...	1	...	1	1
	{ Above 5 years ...	...	2	2	1	3	...	2	...	7	3	10
St. Peter's	{ Below 5 years ...	...	...	...	...	2	...	...	...	2	...	2
	{ Above 5 years ...	1	2	1	...	1	1	5	2	8	5	13
Pitt Street	{ Below 5 years ...	2	...	...	...	...	...	...	1	2	1	3
	{ Above 5 years ...	5	3	2	6	3	1	3	1	13	11	24
Great George	{ Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years ...	16	9	4	11	5	8	3	4	22	32	54
Rodney Street.....	{ Below 5 years ...	...	...	...	1	...	...	1	...	1	1	2
	{ Above 5 years ...	3	5	5	6	5	6	4	8	17	25	42
Abercromby	{ Below 5 years ...	...	...	3	1	...	...	...	1	3	2	5
	{ Above 5 years ...	6	2	6	7	5	5	5	10	22	24	46
Parish Workhouses and Hospitals	{ Below 5 years ...	1	1	1	1	...	...	...	...	2	2	4
	{ Above 5 years ...	62	42	53	41	39	28	49	24	203	135	338
Out Township Workhouses and Hospitals	{ Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	{ Above 5 years ...	1	...	...	...	...	...	...	...	1	...	1
Everton and Kirkdale	{ Below 5 years ...	2	2	1	3	1	1	6	3	10	9	19
	{ Above 5 years ...	49	50	40	44	34	37	23	33	146	164	310
West Derby.....	{ Below 5 years ...	1	...	3	3	1	...	1	2	6	5	11
	{ Above 5 years ...	20	7	11	12	12	15	12	13	55	47	102
North Toxteth	{ Below 5 years ...	2	1	2	...	1	...	1	2	6	3	9
	{ Above 5 years ...	11	18	13	15	14	12	14	3	52	48	100
South Toxteth	{ Below 5 years ...	2	1	...	...	...	...	1	...	2	2	4
	{ Above 5 years ...	9	15	13	10	14	9	10	15	46	49	95
Parish	{ Below 5 years ...	7	9	8	11	4	4	3	6	22	30	52
	{ Above 5 years ...	155	130	138	127	87	91	110	96	490	444	934
Out Townships	{ Below 5 years ...	7	4	6	6	...	1	9	7	25	18	43
	{ Above 5 years ...	90	90	77	81	74	73	59	64	300	308	608
Borough	{ Below 5 years ...	14	13	14	17	7	5	12	13	47	48	95
	{ Above 5 years ...	245	220	215	208	161	164	169	160	790	752	1542

DEATHS FROM OTHER TUBERCULAR DISEASES.

WARDS.			QUARTERS.								YEAR.		
			March.		June.		Sept.		Dec.				
			M.	F.	M.	F.	M.	F.	M.	F.	M.	F.	TOTAL.
Scotland	{	Below 5 years ...	9	4	8	10	5	2	8	4	30	20	50
	{	Above 5 years ...	...	1	...	...	1	1	1	1	2	3	5
Vauxhall	{	Below 5 years ...	...	1	...	4	3	2	3	1	6	8	14
	{	Above 5 years ...	...	...	1	...	...	...	...	...	1	...	1
St. Paul's	{	Below 5 years ...	...	...	...	...	1	3	1	...	2	3	5
	{	Above 5 years ...	...	1	1	...	...	...	...	...	1	1	2
Exchange.....	{	Below 5 years ...	...	1	1	..	3	1	1	2	5	4	9
	{	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Anne's	{	Below 5 years ...	4	5	2	3	...	3	3	2	9	13	22
	{	Above 5 years ...	1	...	1	1	...	...	...	...	2	1	3
Lime Street.....	{	Below 5 years ...	2	...	5	1	3	2	2	1	12	4	16
	{	Above 5 years ...	...	...	2	...	...	...	...	...	2	...	2
Castle Street	{	Below 5 years ...	...	...	...	...	1	...	...	...	1	...	1
	{	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
St. Peter's	{	Below 5 years ...	...	1	...	1	1	...	...	1	1	3	4
	{	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Pitt Street	{	Below 5 years ...	...	...	1	4	...	...	1	3	2	7	9
	{	Above 5 years ...	...	...	...	...	...	1	1	...	1	1	2
Great George	{	Below 5 years ...	4	2	1	2	1	2	...	...	6	6	12
	{	Above 5 years ...	...	...	...	...	1	...	2	...	3	...	3
Rodney Street.....	{	Below 5 years ...	2	...	...	1	2	1	1	5	5	7	12
	{	Above 5 years ...	...	...	...	...	...	1	...	...	...	1	1
Abercromby	{	Below 5 years ...	6	3	1	...	5	4	...	...	12	7	19
	{	Above 5 years ...	1	...	...	...	1	2	...	...	2	2	4
Parish Workhouses and Hospitals	{	Below 5 years ...	1	2	...	3	...	...	...	...	1	5	6
	{	Above 5 years ...	1	...	4	1	1	...	3	...	9	1	10
Out Township Workhouses and Hospitals	{	Below 5 years ...	...	...	...	...	...	...	...	...	...	...	...
	{	Above 5 years ...	...	...	...	...	...	...	...	...	...	...	...
Everton and Kirkdale	{	Below 5 years ...	13	9	14	11	16	19	17	13	60	52	112
	{	Above 5 years ...	2	1	3	2	...	2	1	2	6	7	13
West Derby.....	{	Below 5 years ...	8	4	2	5	10	7	2	3	22	19	41
	{	Above 5 years ...	...	...	...	1	1	...	1	1	2	2	4
North Toxteth	{	Below 5 years ...	1	4	5	5	11	4	4	5	21	18	39
	{	Above 5 years ...	1	...	...	...	...	...	...	1	1	1	2
South Toxteth	{	Below 5 years ...	7	2	12	5	5	5	5	1	29	13	42
	{	Above 5 years ...	...	1	...	...	3	...	1	...	4	1	5
Parish	{	Below 5 years ...	28	19	19	29	25	20	20	19	92	87	179
	{	Above 5 years ...	3	2	9	2	4	5	7	1	23	10	33
Out Townships	{	Below 5 years ...	29	19	33	26	42	35	28	22	132	102	234
	{	Above 5 years ...	3	2	3	3	4	2	3	4	13	11	24
Borough	{	Below 5 years ...	57	38	52	55	67	55	48	41	224	189	413
	{	Above 5 years ..	6	4	12	5	8	7	10	5	36	21	57

PHTHISIS AND TUBERCULAR DISEASES, FROM 1848 TO 1869,
INCLUSIVE.

YEARS.	Deaths from Phthisis.	Death from all Tubercular Diseases.	Per cent. of Phthisis to total Deaths.	Per cent. of Tubercular Diseases to total Deaths.	Phthisis per 10,000 of the population.	Tubercular Diseases per 10,000 of the population.
1848	1,394	1,913	11·8	16·2	40·2	55·2
1849	1,356	1,932	8·3	11·8	38·0	54·2
1850	1,265	1,667	13·3	17·6	34·5	45·5
1851	1,473	1,924	13·2	17·2	38·9	51·2
1852	1,485	2,051	13·3	18·4	38·8	53·6
1853	1,581	2,100	15·1	20·0	40·7	54·0
1854	1,586	2,150	11·3	15·3	40·1	54·4
1855	1,605	2,123	12·8	16·9	39·9	52·8
1856	1,406	1,881	12·1	16·2	34·4	46·0
1857	1,547	2,032	11·9	15·6	37·2	48·9
1858	1,618	2,070	11·6	14·8	38·3	48·9
1859	1,532	2,008	12·9	16·8	35·4	46·7
1860	1,625	2,013	14·4	17·9	37·2	46·0
1861	1,562	2,001	12·0	15·4	35·4	45·0
1862	1,522	1,969	11·1	14·2	33·9	43·6
1863	1,587	2,167	10·3	14·1	34·5	47·2
1864	1,698	2,304	10·0	13·6	36·3	49·3
1865	1,878	2,522	10·8	14·5	39·5	53·1
1866	1,856	2,469	9·1	12·2	33·3	50·9
1867	1,729	2,295	11·8	15·8	35·1	46·6
1868	1,629	2,175	11·1	14·9	32·5	43·4
1869	1,637	2,107	11·1	14·3	32·1	41·3

I have received from Mr. Hartnup the following Meteorological Table for the year 1869 :—

LIVERPOOL OBSERVATORY.

DATE.	Mean Barometer.*	Mean Temperature. Fahrenheit.	Rainfall on Ground.
1869.	Inches.	o	Inches.
January	29·898	41·6	2·117
February	29·858	46·4	2·407
March	29·894	39·2	1·243
April.....	29·971	50·3	1·825
May	29·840	49·1	4·361
June	30·084	55·6	1·257
July	30·042	63·4	0·375
August	30·131	60·4	2·660
September	29·701	57·7	4·843
October	30·022	51·4	2·741
November.....	29·888	44·9	3·321
December.....	29·787	37·8	2·655

* Reduced to sea level and to 32° Fahrenheit.

The Select Vestry are kind enough to forward to my office a daily list of the cases of Typhus Fever attended by the Parochial Medical Officers, and a monthly list of the cases of Zymotic diseases, of Tubercular diseases, and of sickness from other causes, which have occurred in the twelve districts of the Parish.

The daily list enables the Health Committee to take action for the purification of the houses, and I am able from the other to classify the districts and streets in which sickness has prevailed.

The following are the streets in which six or more cases of Typhus, or three or more of Scarlatina, have occurred during the year.

STREET.	Zymotic diseases, including Typhus & Scarlatina.	Typhus Fever.	Scarlatina	Tubercular diseases, including Phthisis.	Phthisis.	Other diseases.
Athol	8	...	3	3	3	33
Ashfield	10	9	...	...	...	16
Atkinson.....	9	7	...	1	1	22
Aldersey	6	6	...	...	...	3
Addison	32	16	...	12	8	284
Adlington	20	12	...	19	14	160
Back Portland	28	7	3	4	2	99
Blenheim.....	51	22	...	8	8	152
Bostock	12	7	...	6	5	65
Burlington	51	28	9	8	8	180
Birch	11	8	...	...	...	10
Beau	16	15	...	3	3	41
Ben Jonson	11	7	...	7	7	84
Bent.....	10	9	...	3	3	91
Birkett.....	25	20	...	6	5	98
Back Mansfield	24	24	...	1	1	31
Blackstock	17	14	...	6	6	44
Bond	30	21	3	2	2	47
Banastre	17	13	...	5	4	94
Bolton.....	20	8	...	5	5	74
Back Bridport	7	...	5	...	...	9
Brownlow Hill (sheds included)	58	...	6	52	47	1552
Blake	34	18	7	8	7	182
Basloe	10	9	...	10	3	73
Brown	7	7	...	5	3	59
Blundell	11	11	...	3	3	88
Brick	44	...	9	10	9	252
Cranmer	7	7	...	...	...	4
Carlton	18	15	...	1	1	75
Clay.....	20	15	...	4	4	18
Chaucer	7	6	...	1	1	25
Collingwood	28	21	...	4	4	144
Christian.....	17	14	...	2	2	73
Circus	11	7	...	10	9	126
Clayton	10	10	..	1	1	51
Constance	13	9	...	1	...	34
Charter	19	...	6	1	1	90
Chisenhale	45	22	9	6	5	140
Clement	9	8	...	3	3	31
Cavendish	21	17	...	9	8	124
Cherry Lane	8	...	3	...	...	22
Cropper	17	11	...	1	1	70
Copperas Hill.....	32	26	...	13	9	98

STREET.	Zymotic diseases, including Typhus & Scarlatina.	Typhus Fever.	Scarlatina.	Tuber- cular- diseases, including Phthisis.	Phthisis.	Other diseases.
Dryden	19	14	...	7	6	84
Dansie	15	14	...	...	...	11
Duckinfield.....	99	62	8	15	7	297
Edward	12	...	3	6	1	60
Eldon Place	16	11	5	...	...	13
Eldon	51	18	11	6	4	109
Finch	32	18	...	2	2	151
Ford.....	27	12	3	8	8	128
Fontenoy	19	15	...	6	5	129
Frederick	7	7	...	3	3	46
Gay	10	10	...	...	...	30
Gildart's Gardens	32	30	...	3	3	72
Graham Place	6	...	5	...	...	20
Gladstone	19	18	...	...	...	28
Hunter.....	12	8	3	...	...	36
Hankin	8	6	...	2	1	12
Hopwood.....	11	11	...	4	3	38
Hornby	64	28	9	12	9	269
Holly	10	7	...	2	2	40
Hanley	16	8	...	8	6	40
Idris.....	8	6	...	...	...	11
Ivy	14	14	...	2	2	42
Johnson	8	6	...	1	1	60
Jordan.....	25	...	3	8	8	137
Kent.....	5	...	3	...	...	32
Kitchen	8	6	...	2	2	82
Kew	46	31	3	8	7	124
Latimer	12	12	...	...	...	16
Limekiln Lane	20	7	5	7	7	84
Lightbody	6	...	5	2	2	45
Lawrence	7	6	...	4	4	20
Lambert	32	27	...	2	2	57
Leander	9	6	...	6	...	40
Lionel	9	8	...	2	1	30
Lower Myrtle	6	6	...	1	1	26
Mile End.....	17	13	...	...	...	18
Mansfield	20	18	...	2	2	59
Myrtle View	6	6	...	...	...	13
Maguire	34	27	...	3	3	70
Marybone	13	10	...	1	1	43
Milton.....	21	14	...	5	5	139
Midghall.....	18	10	...	1	1	146
Mary Ann	8	7	...	...	...	55
Newsham	28	...	5	2	2	88
Nash	15	13	...	1	1	5
Northampton	11	10	...	...	...	18
Norman	37	31	...	3	2	55
Oriel	35	16	9	18	18	262
Oaks	44	28	8	6	3	93
Portland	46	37	...	2	2	157
Paget	18	12	4	...	...	44
Pall Mall	6	...	5	3	3	54
Paul	18	8	4	8	8	118
Peach	14	7	...	3	...	141
Raymond.....	14	12	...	3	2	146
Rachel.....	8	6	...	...	...	70
Richmond Row	27	25	...	3	3	56
Rose Place	10	7	...	4	4	76
Rathbone	12	7	...	6	4	84

STREET.	Zymotic diseases, including Typhus & Scarlatina.	Typhus Fever.	Scarlatina.	Tuber- cular diseases, including Phthisis.	Phthisis.	Other diseases.
Redmond Place	32	30	...	...	...	44
Russell Place	11	7	...	4	1	44
Saint Martin	33	12	5	...	...	146
Scotland Road	9	8	...	1	1	33
Silvester	32	23	5	1	1	49
Saltney	32	31	...	5	4	52
Sherwood	16	6	...	1	1	60
Slade	7	6	...	1	1	33
Steele	8	7	...	...	...	4
Summer Seat	11	6	...	...	...	24
Sawney Pope	43	32	...	6	5	135
Smithfield	12	9	...	3	3	46
Skelhorne ..	7	6	...	...	...	23
Saint Andrew	53	25	...	14	10	280
Tatlock	33	17	11	13	9	84
Titchfield	12	11	...	4	2	39
Thornton	11	9	...	...	...	17
Thomas	23	6	11	2	2	119
Trueman	11	8	...	...	...	85
Trowbridge	28	12	3	7	4	115
Upper Milk	8	6	...	1	1	41
Upper Frederick	38	31	...	4	3	197
Vauxhall Road	19	16	...	3	3	51
Virgil	12	12	...	...	...	14
Wright	55	22	4	3	3	108
Whitley	7	6	...	5	4	54
Warren	18	16	...	13	7	114

The Medical Officer is indebted to the kindness of Mr. HAGGER, Vestry Clerk, for the following valuable Tables:—

PARISH OF LIVERPOOL.

RETURN OF INFECTIOUS DISEASES, &C., IN WORKHOUSE HOSPITAL.

1869. WEEK ENDING		TYPHUS.				SMALL POX.				MEASLES.				SCARLATINA.					
		No. at commence- ment of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commence- ment of week.	Admitted.	Discharged.	Died.	Remaining at end of week.	No. at commence- ment of week.	Admitted.	Discharged.	Died.	Remaining at end of week.			
Jan.	2.....	140	37	27	4	146	...	...	...	...	...	16	4	3	9	...	...	...	...
"	9.....	146	35	46	8	127	...	...	...	...	...	9	4	5	8	...	...	...	...
"	16.....	127	43	36	3	131	...	1	1	...	...	8	3	2	7	...	1	...	1
"	23.....	131	49	49	8	123	...	1	1	...	...	7	2	2	7	1	...	...	1
"	30.....	123	32	29	2	124	...	3	3	...	...	7	3	...	7	1	...	...	1
Feb.	6.....	124	37	37	9	115	...	3	2	1	...	7	1	7	1	1	...	...	1
"	13.....	115	34	29	4	116	...	...	...	...	...	1	...	1	...	1	...	...	1
"	20.....	116	27	34	5	104	...	1	1	...	...	...	...	...	...	1	...	...	1
"	27.....	104	34	36	4	98	...	...	...	...	...	...	...	...	...	1	...	1	...
March	6.....	98	37	31	5	99	...	...	...	...	...	...	...	...	...	...	...	...	...
"	13.....	99	36	33	7	95	...	...	...	...	...	...	...	...	...	...	1	...	1
"	20.....	95	30	26	2	97	...	...	...	...	...	...	2	...	2	...	1	...	1
"	27.....	97	42	30	5	104	...	...	...	...	...	...	...	...	...	1	...	...	1
April	3.....	104	51	24	8	123	...	2	1	...	1	...	...	...	...	...	...	...	1
"	10.....	123	37	20	14	126	1	...	...	...	1	...	...	...	...	1	1	1	...
"	17.....	126	36	34	7	121	1	...	...	...	1	...	23	4	3	16	1	...	1
"	24.....	121	46	39	3	125	1	...	...	...	1	16	17	...	3	30	1	...	1
May	1.....	125	38	30	5	128	1	3	3	...	1	30	20	13	2	35	1	...	1
"	8.....	128	41	33	7	129	1	4	4	...	1	35	14	...	4	45	1	1	...
"	15.....	129	40	37	9	123	1	3	4	...	...	45	40	29	4	52	1	...	1
"	22.....	123	33	19	9	128	...	...	...	...	...	52	38	36	8	46	1	...	1
"	29.....	128	33	43	9	109	...	...	...	...	...	46	53	33	4	62	1	2	1
June	5.....	109	36	40	7	98	...	...	...	...	...	62	97	54	6	99	2	1	1
"	12.....	98	27	27	3	95	...	1	...	1	...	99	20	70	9	40	2	6	...
"	19.....	95	29	26	4	94	...	1	1	...	...	40	20	40	5	15	6	2	...
"	26.....	94	31	27	6	92	...	...	...	...	...	15	7	12	3	7	7	1	...
July	3.....	92	39	21	9	101	...	...	...	...	...	7	3	4	1	5	8	...	6
"	10.....	101	38	32	6	101	...	...	...	...	...	5	5	2	3	5	2	...	...
"	17.....	101	25	33	4	89	...	1	1	...	...	5	2	3	...	4	2	2	1
"	24.....	89	35	25	3	96	...	...	...	...	...	4	4	2	1	5	2	...	...
"	31.....	96	37	34	5	94	...	...	...	...	...	5	...	...	...	5	2	2	...
Aug.	7.....	94	27	26	3	92	...	...	...	...	...	5	...	...	1	4	4	1	1
"	14.....	92	32	33	2	89	...	...	...	...	...	4	...	...	2	2	4	2	1
"	21.....	89	21	26	5	79	...	...	...	...	...	2	...	2	...	...	5	1	...
"	28.....	79	26	27	1	77	...	1	1	...	...	...	1	...	...	1	6	1	...
Sept.	4.....	77	28	24	3	78	...	...	...	...	...	1	2	...	...	3	7	...	...
"	11.....	78	29	26	4	77	...	2	2	...	...	3	1	2	...	2	7	...	2
"	18.....	77	33	13	5	92	...	...	...	...	...	2	...	1	...	1	5	...	1
"	25.....	92	35	43	4	80	...	...	...	...	...	1	...	...	...	1	4	1	1
Oct.	2.....	80	26	15	8	83	...	...	...	...	...	1	...	1	...	...	4	2	1
"	9.....	83	27	20	5	85	...	1	1	...	...	...	...	...	...	...	5	3	1
"	16.....	85	35	32	3	85	...	...	...	...	...	...	...	...	...	...	7	2	1
"	23.....	85	29	24	2	88	...	...	...	...	...	...	...	...	...	...	8	1	1
"	30.....	88	33	31	2	88	...	...	...	...	...	...	...	...	...	...	8	...	2
Nov.	6.....	88	23	24	3	84	...	...	...	...	...	...	...	...	...	...	6	...	...
"	13.....	84	30	27	4	83	...	...	...	...	...	...	...	...	...	...	7	1	...
"	20.....	83	29	23	5	84	...	...	...	...	...	...	...	...	...	...	6	2	3
"	27.....	84	31	19	4	92	...	...	...	...	...	...	...	...	...	...	4	3	2
Dec.	4.....	92	35	19	...	108	...	...	...	...	...	...	...	...	...	...	4	2	2
"	11.....	108	43	37	6	108	...	...	...	...	...	...	...	...	...	...	4	...	...
"	18.....	108	27	26	6	103	...	...	...	...	...	...	...	...	...	...	4	2	2
"	25.....	103	31	23	6	105	...	...	...	...	...	...	...	...	...	...	4	...	...
Jan.	1.....	105	28	24	6	93	...	...	...	...	...	...	...	...	...	...	4	3	2

PARISH OF LIVERPOOL.

PERSONS IN RECEIPT OF RELIEF DURING THE YEAR 1869.

Week ending	Work-house.	Industrial Schools.	Out-Relief	Week ending	Work-house.	Industrial Schools.	Out-Relief.
1869				1869			
January 2...	3789	1360	11941	July 3...	2779	1550	11256
„ 9...	3574	1509	12112	„ 10...	2791	1547	11168
„ 16 .	3526	1522	12154	„ 17...	2719	1546	10970
„ 23...	3546	1554	12456	„ 24...	2723	1551	10799
„ 30...	3590	1564	12313	„ 31...	2754	1554	10901
February 6...	3554	1578	12498	August 7...	2746	1559	10906
„ 13...	3568	1568	12441	„ 14...	2771	1566	10858
„ 20...	3459	1588	12386	„ 21...	2720	1582	10909
„ 27...	3436	1563	12570	„ 28...	2746	1582	10769
March 6...	3449	1555	12565	September 4...	2714	1579	10741
„ 13...	3439	1565	12439	„ 11...	2751	1576	10586
„ 20...	3449	1572	12273	„ 18...	2701	1566	10624
„ 27...	3343	1543	12137	„ 25...	2725	1568	10657
April 3 ..	3360	1562	12175	October 2...	2691	1577	10530
„ 10...	3323	1549	11801	„ 9...	2727	1567	10584
„ 17...	3191	1536	11558	„ 16...	2715	1588	10558
„ 24...	3232	1533	11458	„ 23...	2760	1578	10884
May 1...	3154	1551	11320	„ 30...	2799	1535	10638
„ 8...	3169	1532	11334	November 6...	2824	1541	10742
„ 15...	3107	1537	11444	„ 13...	2899	1535	10828
„ 22...	3040	1540	11607	„ 20...	2903	1548	10873
„ 29...	3046	1541	11653	„ 27...	2924	1586	10890
June 5...	3044	1549	11628	December 4...	3015	1592	11143
„ 12...	2925	1546	11688	„ 11...	3040	1599	11431
„ 19...	2921	1545	11558	„ 18...	3044	1615	11565
„ 26...	2815	1550	11219	„ 25...	3076	1611	11486

These show that the average number of persons suffering from Typhus at one time in hospital during the year 1869 was 104, and their per centage death-rate 14·0 ; the average number of Measles cases at one time in hospital was 10, their per centage death-rate 17·3 ; the average number of Scarlatina cases at one time in hospital was 3 and their per centage death-rate 27·7.

The number of paupers in receipt of relief on Saturday, 26th June, was 15,584, or 1080 less than at the same period of 1868, and the number on the 25th December was 16,173, or 461 less than in the corresponding period of 1868.

SANITARY WORK.

The two following Tables show the extent of work which has been done under the orders of the Health Committee in respect of the conversion of Privies into Water Closets. The first table carries it down to the termination of the year 1868 ; the second table refers to the work done during the year 1869.

CLASSIFICATION OF PRIVIES CERTIFIED FOR CONVERSION INTO WATER-CLOSETS
FROM JULY, 1863, TO END OF DECEMBER, 1868.

CAUSE OF CERTIFICATE.	DISTRICTS.										TOTAL.
	Saint Martin's.	Great Howard Street.	Dale Street.	Islington.	Saint George's	Saint Thomas's	Mount Pleasant.	Everton and Kirkdale.	West Derby.	The Toxteths.	
Privies situated inside Houses } and beneath inhabited } Apartments	209	26	42	143	30	54	59	45	30	85	723
Privies situated in close and } confined positions and near } to inhabited Apartments..	2042	150	453	896	61	269	230	1585	552	1246	7484
Privies emptied before Houses..	...	...	...	...	...	...	...	3	...	...	3
Privies emptied through Houses	1	4	47	38	20	28	7	10	1	3	159
Privies emptied through Courts	79	29	105	63	41	95	60	36	49	209	766
Tunnel Middens	601	46	39	265	11	34	110	474	222	205	2007
No Privy accommodation	9	36	4	8	2	16	7	33	1	3	119
Privies connected with Mid- } denstead	1	...	1	4	...	3	2	9	...	...	20
Court Privies	525	250	228	327	59	129	152	71	58	311	2110
TOTAL	3467	541	919	1744	215	636	628	2266	913	2062	13391

CLASSIFICATION OF PRIVIES CERTIFIED FOR CONVERSION INTO WATER
CLOSETS, FROM JANUARY TO DECEMBER, 1869, BOTH MONTHS
INCLUSIVE.

CAUSE OF CERTIFICATE.	DISTRICTS.										TOTAL.
	Saint Martin's	Great Howard Street.	Dale Street.	Islington.	Saint George.	Saint Thomas's	Mount Pleasant.	Everton and Kirkdale	West Derby.	The Toxteths.	
Privies situated inside Houses } and beneath inhabited } Apartments	9	1	5	13	3	7	11	5	2	23	79
Privies situated in close and } confined positions and near } to inhabited Apartments...	323	20	37	122	12	23	120	265	153	280	1355
Privies close and confined and } adjoining fire-places	24	...	6	...	1	...	17	25	59	10	142
Privies emptied before Houses..	...	...	...	...	7	...	2	...	...	...	9
Privies emptied through Houses	3	...	15	1	8	2	...	1	...	...	30
Privies emptied through Courts	4	...	9	8	2	8	36	13	5	51	136
Tunnel Middens	44	3	...	...	5	...	7	6	11	13	89
Privies connected with Mid- } denstead .....	...	...	...	...	...	...	...	...	1	...	1
Court Privies .....	...	1	...	...	...	3	5	...	2	5	16
TOTAL	407	25	72	144	38	43	198	315	233	382	1857

Under the term "Court Privies" are included all Privies in the common area of Courts or Alleys, and not placed within the separate yards of houses. In all such cases the conversion ordered by the Health Committee has been into trough water-closets.

LODGING HOUSES.

The Health Committee have, since the passing of the Sanitary Act 1866, ruled that as far as possible all registered lodging-houses should have a day apartment for the accommodation of their lodgers, and that all houses where single rooms were occupied by day and night should be registered as sub-let. The space required for a night lodger in a registered lodging-house is 300 cubical feet, while the space in a sub-let house for each adult is 350 feet. The effect of this arrangement is to lessen the number of registered lodging-houses.

There were on the register 1161 lodging-houses at the end of 1868, and 1149 at the end of 1869. This difference was occasioned by the removal of 349 old licenses and the addition of 337 new ones. The visits to lodging-houses are both by day and night. The lodging-houses of the better class, and especially those provided only with single beds for each person, and only with the number of beds equivalent to the number of lodgers allowed, are not visited at night except on grave suspicion or on complaint, or in the case of foreign lodging-houses, where there is a large influx of emigrants. The night visits are pretty nearly restricted to the low districts and tramp houses. The number of day visits paid during the year was 33,282, and the night visits 6135. The number of lodging-houses found overcrowded on the night visits was 63; the number of informations laid for breaches of the by-laws was 163, with the results of fines in 137 cases to the extent of £40 10s. 6d., in sums varying from 1s. to 40s. and costs. The number of lodging-houses found dirty was 240; notices were served to limewash and cleanse.

It is necessary frequently to visit houses which are not licensed either as lodging or sub-let houses, especially when emigration is brisk, or at race times. There were 915 such visits paid during the day, and in 78 of the cases where suspicion was confirmed they were followed up by night visits. A tenant harbouring lodgers is not taken before the Justices for the first offence, but is noticed to apply to have his rooms measured and licensed. There were 347 such notices issued during the year, but in only 6 cases did the tenants refuse to comply; they were brought before the Justices and fined. A by-law requires that every case of infectious sickness in a lodging-house should be at once reported to the Medical Officer of Health. In 2 cases the tenants having neglected to make the required report, were fined 10s. and costs. 43 cases of fever occurred in lodging-houses; in 36 of the cases the patients were at once sent to hospital, the remaining 7 being members of the keepers' families, were not removed; 5 of these latter died. In all cases of fever or infectious disease the bedding was at once removed to the disinfecting apparatus, and the rooms purified and cleansed; in the 7 cases where the patients remained, the licenses to receive lodgers were suspended by the Medical Officer. No lodger

died from fever in a registered lodging-house; but, not including the five cases of fever, there were 91 deaths from non-contagious diseases in lodging-houses, of which 70 belonged to the keepers' families and 21 were lodgers.

SUB-LET HOUSES REGISTERED UNDER THE SANITARY ACT OF 1866.

The number of sub-let houses on the Registry at the termination of 1868 was 6,267; the number registered during 1869 was 1,272, making the total on the register on the 31st December, 7,539. The frequency of day or night visits to these houses depends on the suspicions occasioned by the character of the neighbourhood; and it is seldom that rooms not found overcrowded on the first visit are again subjected to any night inspections. The number of visits paid during the night was 9,365, and during the day 55,190, with the result of finding 867 rooms overcrowded. The average extent of overcrowding may be estimated by the fact that 2,718 adults and 860 children were found sleeping in rooms the cubical area of which was 705,380 feet; so that the average cubical space for each individual was 197 feet; but if two children under 15 years of age be reckoned as one adult, the cubical space for each adult would be 224 feet, or 126 feet less than the very restricted amount which on account of the smallness of the rooms the Council are constrained to demand. Of course an average of overcrowding gives little or no idea of the extent or intensity of the evil in individual cases. In addition to overcrowding, the offence (though not punishable in sub-let houses) of permitting adult males and females not married to occupy the same room, comes under the notice of, and is entered in the books of the Inspectors. There were 365 rooms thus indecently occupied by 649 males and 691 females, besides having also in these rooms 139 children between the ages of 5 and 13 years.

Informations were laid against 549 chief tenants for permitting overcrowding in rooms, with the following results:—11 were fined 1s.; 324, 1s. and 1s. costs; 1 fined 2s. and 2s. costs; 10 fined 2s. 6d.; 111 fined 2s. 6d. and 2s. 6d. costs; 21 fined 5s. and costs; and 1 fined 10s. and costs, making a total of fines levied during the year of £72 17s. Of the remaining 70 cases, 16 informations were withdrawn, the tenants having abated the overcrowding; in 54 cases the tenants were acquitted—the majority because it was the first offence, and the remainder because of their poverty, and their promise not again to offend.

Reference has been made to the smallness of sub-let rooms, or, in other words, of the houses of the labouring classes, and the two following tables will not be without some interest in illustration of this.

No. of Rooms.	14	60	136	266	656	2028	4277	5452	5294	4053	1487	644	240	208	79	68	34	11	25
Each containing less cubical feet than	200	300	400	500	600	700	800	900	1000	1100	1200	1300	1400	1500	1600	1700	1800	1900	2000 and upwards.

NUMBER OF HOUSES CONTAINING									Total Number of Sub-let Houses on the Register.
2 rooms.	3 rooms	4 rooms	5 rooms	6 rooms	7 rooms	8 rooms	9 rooms	10 rooms.	
83	6567	222	275	317	34	33	4	4	7539

WORKSHOPS.

The Medical Officer is constrained by further experience to express his opinion that the above Act, however beneficent in intention, is not only impracticable in its machinery but inequitable in its effects. He has, however, since July, 1869, desired his chief Inspector, Mr. Wilson, to visit and report upon all cases of which complaints, anonymous or otherwise, have been received. 80 visits have been paid, and in 15 cases where there was a breach of the Saturday half-holiday, the employers were brought before the Justices and fined in penalties varying from 1s. to 20s. and costs. All these several employers have since applied for and received permission from the Secretary of State to substitute other arrangements for the Saturday half-holiday.

BAKEHOUSES.

Since July, 1869, the inspection of bakehouses has been undertaken by the Medical Officer's staff; 859 day visits and 1258 night visits have been paid to them. 34 informations were laid for working young people below the age of 18 years between the hours of 9 p.m. and 5 a.m. In 29 cases, penalties varying from 1s. and 1s. costs to 60s. and costs, and making a total of £14 13s. 6d., were inflicted. In 4 cases, the employers were acquitted upon pleading ignorance of the law, and in one case it was ruled that the young person was a domestic servant and only occasionally employed in the bakehouse. 47 bakehouses were found dirty and notices were served to limewash and cleanse them.

LICENSES FOR CATTLE.

During the year 1869, 119 applications for Licenses to keep 1298 cows were made to and granted by the Health Committee; these, in addition to the premises licensed during 1868, make up the number to 466 shippens, containing 4685 cows. In 56 of these shippens, pigs are also allowed to be kept; in 49 of them, only 2 pigs each; in 6, 4 pigs; and in 1, 5 pigs.

208 applications were made during the year to keep pigs in styres separate from and unconnected with shippens; 79 of these applications for keeping 211 pigs were granted. The total number of premises or styres now licensed in the Borough (excluding shippens) is 240, for the keeping of 758 pigs.

SLAUGHTER-HOUSE RETURNS OF CATTLE KILLED IN THE BOROUGH, 1869.

SLAUGHTER HOUSES.		Beasts.	Sheep.	Lambs.	Calves.	Pigs.	Goats.
Public Abattoir		28720	201795	...	10915	5491	...
NEW PARTS.	Parliament Street.....	827	4882	1659	58	66	...
	Gelling Street	769	4807	1354	53	12	...
	Corlett Street	623	5025	990	6	103	...
	Railway Arches	533	629	185	...	...	...
	Castle Street.....	427	1810	460	4	28	...
	Crown Street	333	1539	358	3	5	...
	Wavertree Road	336	1578	792	...	...	...
	Byles Street	324	1878	453	...	...	...
	Back Castle Street	193	1164	272	...	8	...
	Head Street (1).....	143	1415	522	...	24	...
	Peel Street.....	131	916	185	2	2	...
	Browside	80	293	...	...	...	...
	Grinfield Street.....	51	472	129	...	4	...
	Embledon Street	24	91	14	...	...	...
	Knight Street	17	...	31	...	...	...
	Cotter Street.....	...	...	...	...	1915	...
	Head Street (2).....	...	...	...	...	1859	...
	Darnley Street.....	...	...	...	...	1773	...
OLD PARTS.	Bevington Hill.....	3104	5211	1172	1091	...	...
	Norfolk Street.....	1703	1423	424	...	...	...
	Hood Street	1580	5803	1894	434	...	...
	Bolton Street	1186	3553	1340	96	...	...
	Upper Milk Street	1177	2244	477	...	5813	...
	Arley Street	1002	1921	226	...	394	...
	Stanley Road	981	4196	1050	35	231	...
	Finch Place	840	4087	1100	115	...	...
	Duke Street Lane	646	1353	472	10	7	...
	Price Street	527	1639	328	9	...	...
	Silver Street	722	1837	697	7	11	...
	Benledi Street	581	2063	418	...	...	...
	Scotland Road	505	826	76	1107	...	...
	Back Commutation Row(1)	391	2488	522	3	1	...
	" " (2)	471	2309	450	25	...	...
	Hodson Street	402	1681	297	...	...	...
	Frederick Street	386	1636	485	29	35	...
	Regent Road.....	365	595	33	...	...	...
	St. James Street	309	795	218	...	2	1
	Lawton Street	274	1053	304	51	...	...
	Batchelor Street	245	1502	393	197	...	...
	Regent Street	112	646	97	...	...	...
	Bayhorse Lane.....	252	1655	444	131	...	...
	Brownlow Hill	76	439	124	...	...	...
	Lydia Ann Street.....	115	256	181	2	3	...
	Plumbe Street .....	...	...	...	...	3202	...
	Lower Milk Street .....	...	...	...	...	2309	...
	Byrom Street.....	...	...	...	...	776	...
	Norman Street .....	...	...	...	...	608	...
	Whitechapel .....	...	...	Not	killing.	...	...
	Dundee Street .....	...	...	"	"	...	...
Total in Private Slaughter Houses		22763	77710	...	3468	19191	...
Total in Borough.....		51483	279505	20626	14383	24682	1

UNWHOLESOME MEAT CONDEMNED DURING 1869.

		Beef.	Veal.	Mutton.	Lamb.	Pork.	Poultry.	Rabbits.	Fish.	Shell Fish.	Oysters.
		Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Head	Head	Lbs.	Bags.	Number
AT SLAUGHTER HOUSES.	Abbattoir	28877	4746	9113	664	2081	...	...	...	...	...
	Bevington Hill	17549	10135	344	216	346	...	...	...	...	...
	Scotland Road	5945	12465	90	...	...	...	...	...	...	...
	Arley Street.....	3140	...	...	115	...	...	...	...	...	...
	Bolton Street	1742	65	...	...	...	...	...	...	...	...
	Parliament Street	1416	147	618	90	...	...	...	...	...	...
	Brow Side	1068	...	...	...	...	...	...	...	...	...
	Finch Place.....	1016	68	216	...	...	...	...	...	...	...
	Gelling Street	534	74	...	...	...	...	...	...	...	...
	Stanley Road	520	...	...	...	400	...	...	...	...	...
	Brownlow Hill.....	488	375	208	...	...	...	...	...	...	...
	Upper Milk Street	400	...	...	...	150	...	...	...	...	...
	Hood Street.....	...	450	...	...	...	...	...	...	...	...
	St. James Street.....	...	30	108	...	...	...	...	...	...	...
	Sandhills .....	...	...	94	...	...	...	...	...	...	...
	Hodson Street	150	...	...	...	...	...	...	...	...	...
MARKETS.	St. John's Market.....	1563	928	531	...	236	1472	3630	200859	205	9574
	St. James's „	840	41	331	44	120	...	6	400	...	...
	St. Martin's „	791	...	...	...	...	...	...	422	...	...
	Gill Street „ .....	...	...	...	...	1313	...	...	...	...	...
	Pownall Square „ .....	...	...	47	...	...	...	...	...	...	...
OTHER PARTS.	Northumberland Street	4202	66	...	75	90	...	...	...	...	...
	Leander Street	2214	...	...	...	...	...	...	...	...	...
	Pembroke Street.....	2091	438	263	136	...	...	...	...	...	...
	Stanhope Street	1727	92	...	...	...	...	...	...	...	...
	Soho Street	1441	...	...	...	...	...	...	...	...	...
	London Road	1036	...	143	...	336	...	...	...	...	...
	Hill Street	594	...	...	...	...	...	...	...	...	...
	Epworth Street	516	...	...	...	...	...	...	...	...	...
	Elias Street.....	400	...	...	...	...	...	...	...	...	...
	Lan. & York. Railway	340	...	...	...	...	...	...	846	...	...
	Kensington	180	...	...	...	...	...	...	...	...	...
	Kirkdale Road	194	...	...	...	...	...	...	...	...	...
	Mill Street	77	...	97	...	...	...	...	...	...	...
	Dale Street	30	...	...	...	...	...	...	...	...	...
	Edge Hill.....	...	...	1630	...	...	...	...	...	...	...
	Prescot Street .....	...	...	1262	...	...	...	...	...	...	...
	Bevington Street .....	...	...	146	...	...	...	...	...	...	...
	Duncan Street .....	...	...	126	44	...	...	...	...	...	...
	BackCommutation Row	...	...	73	...	...	...	...	...	...	...
	Stanhope Street .....	...	...	34	...	...	...	...	567	...	...
	Corlett Street .....	...	...	...	87	...	...	...	...	...	...
	Warwick Street .....	...	...	...	86	...	...	...	...	...	...
	Crosshall Street .....	...	...	...	45	...	...	...	...	...	...
	Richmond Row .....	...	...	...	43	...	...	...	...	...	...
	Rose Street .....	...	...	...	...	...	188	367	24401	...	...
	Paddington .....	...	241	183	182	243	...	...	...	...	...
	Copperas Hill .....	...	129	...	...	...	...	...	...	...	...
	Birkett Street.....	...	103	...	...	...	...	...	...	...	...
	Rathbone Street.....	...	100	...	...	...	...	...	...	...	...
Carried forward		81081	30693	15657	1827	5315	1660	4003	227495	205	9574

UNWHOLESOME MEAT.—Continued.

		Beef.	Veal.	Mutton.	Lamb.	Pork.	Poultry.	Rabbits.	Fish.	Shell Fish.	Oysters.
		Lbs.	Lbs.	Lbs.	Lbs.	Lbs.	Head	Head	Lbs.	Bags.	Number
OTHER PARTS.	Brought forward.....	81081	30693	15657	1827	5315	1660	4003	227495	205	9574
	Harper Street.....	...	74	...	...	...	...	...	...	...	...
	Great Charlotte Street.	...	...	...	...	...	...	37	5916	...	...
	Queen Square.....	...	...	...	...	...	19	...	...	...	...
	Midghall Street .....	...	...	...	...	...	...	...	880	...	...
	Manesty's Lane .....	...	...	...	...	...	...	...	5381	...	...
	George's Dock .....	...	...	...	...	...	...	...	879	...	...
	Sawney Pope Street ...	...	...	...	...	...	...	...	886	...	...
	Great Homer Street ...	...	...	...	...	...	...	...	341	...	...
	Cleveland Square .....	...	...	...	...	...	...	...	304	...	...
	Roe Street .....	...	...	...	...	...	...	...	235	...	...
	Marybone .....	...	...	...	...	...	...	...	231	...	...
	Ben Jonson.....	...	...	...	...	...	...	...	114	...	...
	Hood Street.....	...	...	...	...	...	...	159	...	...	...
	Parliament Street .....	...	...	...	...	...	...	...	497	...	...
	Scotland Road.....	...	...	...	...	...	...	...	923	...	...
Nelson Dock .....	...	...	...	...	...	...	...	...	16	...	
Collingwood Dock.....	...	...	...	...	...	...	...	...	42	...	
TOTAL		81081	30767	15657	1827	5315	1679	4219	244082	263	9574

SMOTHERED CATTLE.

Beasts.	Sheep.	Pigs.	No. found Good.	Bad.	Weight of Bad in lbs.
55	201	22	209	69	11,305

INSPECTOR OF NUISANCES' REPORTS.

INSPECTION AND PROCEDURE FOR THE YEAR 1869.

Nuisances Inspected complained of by inhabitants	...	...	...	...	...	1,973
" Reported by District Officers	...	...	...	...	...	32,020
" Notices issued ...	...	...	...	...	...	18,661
" Informations ...	...	...	...	...	...	533
Number Fined ...	...	...	...	...	...	77
" withdrawn and acquitted	...	...	...	...	...	429
Magistrates Orders to abate	...	...	...	...	...	27

FEVER IN HOUSES.

1643 Street houses examined contained 3069 cases of Fever.

793 Court	"	"	"	1547	"
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112 Cellars	"	"	187	"
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EXAMINATION OF CELLARS FOR THE YEAR 1869.

Number of Streets examined	2,488
" Street Cellars examined	...	...	...	...	...	...	...	36,276
" " exempt from the operation of the Act	...	...	...	...	...	...	...	6,570
" " found empty	...	...	...	...	...	...	...	14,427
" " occupied with beds	...	...	...	...	...	...	...	2,430
" " " without beds	...	...	...	...	...	...	...	12,849
" Courts examined	...	...	...	...	...	...	...	4,445
" Court Cellars examined	...	...	...	...	...	...	...	21,693
" " found empty	...	...	...	...	...	...	...	11,470
" " occupied with beds	...	...	...	...	...	...	...	699
" " " without beds	...	...	...	...	...	...	...	9,524
Total number of Cellars inspected	...	...	...	...	...	...	...	57,969
" " found empty	...	...	...	...	...	...	...	25,897
" " occupied with beds	...	...	...	...	...	...	...	3,129
" " " without beds	...	...	...	...	...	...	...	22,373

PROCEEDINGS.

Number of	Cellar	Notices	...	...	...	...	...	...	...	3,274
"	"	Informations	...	...	...	...	...	...	...	616
"	"	Fines	...	...	...	...	...	...	...	496
"	"	Acquitted and withdrawn	...	...	...	...	...	...	...	89
"	"	Orders obtained to close	...	...	...	...	...	...	...	31

HOUSE-TO-HOUSE VISITATION DURING THE
YEAR 1869.

Number of Streets examined	... .. .							3,181
" " houses examined	... .. .							53,206.
" " found clean	... .. .							48,108
" " dirty	... .. .							5,098
Apartments in Street-houses examined...	... .. .							195,095
Number of Courts examined	... .. .							6,369
" " houses examined	... .. .							34,442
" " found clean	... .. .							29,378
" " dirty	... .. .							5,064
Apartments in Court-houses examined...	... .. .							101,784
Re-inspection of Dirty Houses	... .. .							22,293
Total number of Housses examined	... .. .							109,941

PROCEEDINGS.

Number of Notices to Owners to Whitewash Filthy Houses	...	...	...	10,655
" " Occupiers to " " "	...	...	...	3,561
" " Owners to " " Exterior of Court	...	...	...	2,474
Renewed Notices to Whitewash ...	...	...	...	4,170
				<hr/>
TOTAL...	...	...	...	20,860

FINES INFLICTED FOR 1869.

[illegible]

DURING THE YEAR ENDING SATURDAY, JANUARY 1, 1870.

CAUSE OF DEATH.	SEX.		AGE-BELOW.																	PARISH OF LIVERPOOL.	OUT TOWNSHIPS.	St. Martin's District.	St. George's District.	St. Thomas's District.	Mount Pleasant District.	HOSPITALS.										Toxteth Park District.	Boschen of LIVERPOOL.							
	Male.	Female.	1	2	3	10	15	20	30	40	50	60	70	80	90	95	107	?	St. George's District.							St. Thomas's District.	Mount Pleasant District.	Great Howard Street District.	St. George's District.	St. Thomas's District.	Mount Pleasant District.	Great Howard Street District.	St. George's District.	St. Thomas's District.	Mount Pleasant District.			Great Howard Street District.	St. George's District.	St. Thomas's District.	Mount Pleasant District.	Great Howard Street District.		
All Causes	7588	4161	1806	1252	535	233	315	1011	1221	1240	1169	1004	504	135	11	2	25	8797	6947	2403	605	348	338	783	384	75	152	225	373	873	424	494	1723	113	95	194	8	32	7	2883	1079	961	985	1474
Zymotic Diseases	214	232	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Diphtheria	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Scarlatina	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Whooping Cough	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Measles	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhus	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
Typhoid	161	242	115	139	6	6	16	168	168	165	111	81	25	2	2435	1738	899	205	89	72	244	71	20	39	57	87	93	194	450	5	3	7
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